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U. S. Department of Agriculture

# AMERICAN FRUITS

For the Nursery Trade and Allied Interests

Vol. X

NOVEMBER

No. 5

## LILACS

LILACS appear to best advantage and are most enjoyable when massed in groups. Such groups are most effective when planted with only a few varieties in but one or two colors. But the groups may be abundant and each one present different colors. They are easily transplanted any time between fall and spring. Rich, moderately moist soil suit them best. After their blooming season remove the dead flowers and do any necessary pruning.

Pruning in winter or spring destroys flowers.

The newer sorts of Lilacs usually bloom freer than the old ones, and have larger flowers in longer plumes, in a multitude of exquisite new shades. We have chosen among the best sorts varieties that will give a good range of color and a succession of bloom from May until midsummer.

## A Leading Specialty for Fifty Years

At Painesville, Ohio, Nurseries

- ¶ The cultivation of hardy ornamentals
- ¶ Soil and climate particularly suited
- ¶ Experienced and successful propagators.
- ¶ New varieties being constantly tested

We, doubtless, have more acres devoted to the production of hardy trees, shrubs, roses, perennials, vines, etc., than any other establishment in the United States



Lilacs en Masse.

PAINESVILLE  
NURSERIES

## The Storrs & Harrison Co.

PAINESVILLE  
OHIO

"Specialists In Whatever We Propagate."

# A Complete Variety List

Ornamentals, Fruits, Roses, Evergreens,  
Clematis, Herbaceous Plants  
for  
Nurserymen, Dealers, Orchardists, Gardeners  
and Landscape Architects  
Lowest Prices Consistent With Quality

Our office and nurseries are situated on  
the Rochester and Eastern R. R. only  
one and one-half hours from Rochester

**W. & T. Smith Company**

GENEVA, N. Y.

700 Acres

63 Years

**FALL 1909**

LARGE QUANTITIES OF

**Cherry**

**Apple**

**Pear**

**Plum**

**Catalpa Speciosa Pure**

**Ornamental Trees, Shrubs,  
and Small Fruits a Specialty**

**C. M. Hobbs & Sons**

BRIDGEPORT, IND.

# Weeping Mulberries

**A Large Stock of Fine Trees**

**Special Price for Quantity**

**ELLWANGER & BARRY**

**Mount Hope Nurseries**

ROCHESTER, N. Y.

**TREE HYDRANGEAS**

**TREE LILACS**

**TREE ALTHEAS**

**APPLES**

**Quinces**, Two Years, 4 to 5 feet

**Pears**, Bartlett, Clapps, Seckel

**Currants**

**Clematis**, 5 Acres of 'em

**Ampelopsis**, 100,000 of 'em

**Dutchman's Pipe**, "NOT made in Holland"

**Roses**, On Own Roots and Budded. The  
New Good Ones; also the Good Old Ones

In fact, the **scarce** stock, **hard-to-grow** kinds, and  
the **Specialties** that everybody doesn't have—  
at first hand—the things that make "**Newark-**  
**Grown**" known the Nursery-world over, can be  
had in quantity here.

Send List of Wants for Prices. Get Busy!  
Soon be shipping-time.

**Jackson & Perkins Company**

Dispensers of "The Preferred Stock," which is grown at  
NEWARK, in WAYNE COUNTY, NEW YORK STATE.

September 1, 1909.

## IMPORTANT

Established 1845

### Bryant's Nurseries

Offer a large general line of Nursery Stock for Fall 1909. Our stock is as well grown as close personal attention and proper environment can make it. Sixty-four years has taught us how to do it. Our Specialties are: Apple, Cherry, Currants, Gooseberry, in fruits. Elm, Carolina Poplar, Norway, Sugar and Soft Maples in Ornamental trees. Altheas, Green and Purple Barberry, Barberry Thunbergii, Lilacs, Syringas, Snowballs, California and Amoor River Privet, Virginia Creeper, Climbing Honeysuckles, Ampelopsis, Clematis, Etc. 50000 Peony in the best named sorts. Catalpa Speciosa and all kinds of Forest Seedlings. Correspondence solicited. Would be pleased to answer questions about our stock.

## Arthur Bryant & Son

PRINCETON, ILL.

### Now is the time to Figure on your wants for Fall 1909

We are ready to quote lowest prices on Ornamental Trees, Shrubs, and Tree Seedlings for Fall delivery, or Spring 1910. If in need of genuine Catalpa Speciosa or Black Locust Seedlings, write for prices. We have them in any quantity.

### The Willadean Nurseries

Warsaw, Kentucky

MY BUSINESS for several seasons has been growing very rapidly, and the season just past has far exceeded any former year. I have therefore been compelled to increase my acreage to meet the growing demand for my plants, and I expect this summer to build an additional large up-to-date packing house so that my daily out-put of plants will be greatly increased during the shipping season. This will enable me to handle promptly all orders that I receive. If you buy strawberry plants, get in communication with me before contracting for your next season's supply.

**W. W. THOMAS**

Anna, Ill.

"The Strawberry Plant Man."

## WAXAHACHIE NURSERY COMPANY

Grows a general line of Nursery Stock especially adapted to the South-West. Our surplus is for sale in high grade, clean stock, at right prices. Dormant Bud Peach, Plum and Apricot, all leading varieties. Best 1-year Cherry block in country. 1-year Apple, Grape, Black and Dew Berries, and California Privet.

No Charge for Packing in Car Loose

**Waxahachie Nursery Company**  
WAXAHACHIE, TEXAS

## FRUIT TREE STOCKS

Our wholesale trade list, quoting prices for all sizes and sorts of fruit tree stocks, as well as Ornamental Stocks, is now distributed. In case you have not received it, ask for the same.

It is mailed free on application.

WE HAVE NO AGENTS

WRITE DIRECT TO US

TRANSON BROTHERS & D. DAUVESSE'S NURSERIES

**BARBIER & COMPANY, Successors**

16 Route d' Olivet

Orleans, France

# American Fruits

## Chief International Journal of the Nursery Trade

Entered August 4, 1904, at Rochester, N. Y., Post Office as second-class mail matter

Vol. X

ROCHESTER, N. Y., NOVEMBER, 1909

No. 5

### Twenty-five Thousand Acres of Wood Per Day

#### Needed to Supply Railroads, Manufacturers and Builders of the United States--Value of Catalpa Speciosa The Nurseryman's Opportunity

EVERY TWENTY-FOUR hours the railroads, manufacturers, and home builders of the United States demand twenty-five thousand acres of timber. That is, there is a daily consumption of all the wood, the trees in twenty-five thousand acres supply.

Forest farming, or the planting and cultivation of Hardy Catalpa for fence posts, cross-ties for electric and steam railways, telephone and telegraph poles, and lumber for building and manufacturing purposes, is rapidly finding favor with the progressive land owner in every locality, says the Winfield Nursery Company, Winfield, Kan., which has made a specialty of Catalpa Speciosa.

Fifty or more years of observation and experience has sufficed to prove that it is

that handsome profits are being realized from growing the Hardy Catalpa.

Catalpa planting has many qualities to recommend it to the thinking man or woman. The planting of trees, which is not a difficult task, need not be repeated annually, as with the planting of corn and vegetables, and the sowing of seeds and grains, but when once established, they will take care of themselves and thus save much of the labor and expense, which is required for the production of other crops.

When once planted they are always ready to grow whenever the season is favorable, and whatever growth is made will be saved, although the season suddenly becomes unfavorable.

The Hardy Catalpa possesses the qualities that place it first in the list for forest

much less expense, and because of this the trees are often offered at reduced prices, the purchaser not being able to distinguish between them until after several years' growth, thus losing much valuable time, besides having a lot of trees on his land with but little value, hence in purchasing trees not price but variety should be the first consideration.

#### ADVANTAGES IN PLANTING

"It is the most rapidly growing tree in America that possesses economic value.

"A greater quantity of valuable wood may be produced upon a given area in a specified time than from any other American tree.

"The wood is the most enduring of all our trees.

"Its habit of growth is upright, with long trunks where it has opportunity, thus differing from all other forms of Catalpa.

"It succeeds over a greater range of territory than any other valuable tree of this country.

"The chemical constituents of the wood are so resistant of decay as to make artificial preservation unnecessary.

"The roots are strong vigorous, large and deep, extending far in every direction, holding so firmly in the earth that storms do not blow them over. I never knew a Catalpa to be blown over by a storm.

"The wood has the same texture as butternut, firm enough for its purposes, and holds a spike well.

"For inside car finish, it is admirably adapted, partakes of a high polish, has a handsome grain, and a superb wood for furniture and inside finish.

"It is easily manipulated with edged tools.

"Its strength is ample for all requirements in railroad work."

#### ADAPTED TO WIDE RANGE.

John P. Brown says in "Arboriculture:" There is no record in the history of any tree which originally confined to so small an area has an adaptability to so universal a range of soil, climate and locality as Catalpa Speciosa.

"Originally Catalpa Speciosa was confined to the bottom lands along the creeks tributary to the Lower Wabash river, but in the past fifty years it has been carried to all parts of the world, seemingly at home in all soils and on most locations throughout the United States, Mexico and Southern Canada.

"At 44 degrees North Latitude in Maine and at 20 degrees North Latitude in Mexico the trees are doing as well as in the valley of the Wabash.

"There are many trees in California, New Mexico, Utah and Nevada where ir-



Over One Million Pure Speciosa Catalpas grown in this field alone,  
by The Winfield Nursery Company.

both practical and profitable. A careful study of the growth and habits of the Catalpa has demonstrated that it is adapted to a much greater range of soils and climate, and grows much faster than is generally supposed.

Much interest in tree planting for domestic use and commercial purposes has been aroused through the untiring efforts of the U. S. Division of Forestry, State Agricultural Experiment Stations, and Forestry and Arboriculture Societies, aided and supported by public-spirited individuals who have given freely of their time and means, and these are to-day being reinforced by the public press.

The observant reader will notice that many of the leading papers and magazines are calling special attention to the necessity of planting trees to meet the future demand for timber. They not only emphasize the necessity, but show as well

farming; such as rapid growth, an upright habit, tenacity to life in various soils, resistant to decay in or out of the ground when used as posts, poles, and cross-ties, immunity from chocking and warping, capable of taking a good finish, and many other qualities that will be noted elsewhere. There are several species of the Catalpa, only one, the Hardy, is valuable for commercial planting, the others not having the qualities to recommend them for forest planting. Great care should be taken to procure the proper variety. There is often such a similarity in the appearance of the seeds that only an expert can distinguish between them. To know that the seed is right is to know that the trees will be right, hence the importance of securing the trees from a reliable source.

The soft varieties (bignonoides and various mixtures) are of a low spreading nature, making it easy to secure the seeds at

rigation must be practiced to secure any tree growth. In Louisiana and Texas, in alluvial delta lands, the growth is remarkable, being two inches diameter increase per annum.

Experiments have been made upon every variety of soil; on mountain lands of Pennsylvania, in the Adirondacks of New York among the granite hills of Massachusetts, upon the Merrimac in New Hampshire, throughout the southern portion of Michigan, in the pure sands of Florida, upon clay and limestone soils of Ohio and Indiana,



Winfield Nursery One Year Old Speciosa Catalpa Seedlings, graded for shipment.

ana, in the swampy districts about Lake Michigan, upon the sand dunes of Cape Cod and at Michigan City, in pure pumice in New Zealand and in numerous other localities where the trees adapt themselves to almost every variety of soil and conditions. There is no other tree in the world that has proven to be so cosmopolitan as the Catalpa.

"No one need fear to plant the Catalpa whatever their soil may be, wherever farm crops may be grown.

"Only be sure that you have Catalpa Speciosa as this is the only Catalpa which will grow into a large tree.

"Thousands of these trees throughout the United States have attained to great height and a diameter of one inch for each year's growth when given ample room."

Such a tree is of great commercial value.

#### PROFIT IN GROWING.

These estimates are for one acre of Hardy Catalpa planted 8x8 feet apart, 676 trees. Beginning when the trees are a suitable size for posts which will be from the sixth to eighth year, about three-fourths of the trees should be cut out to make sufficient rooms for the permanent stand of 170 trees. The trees thus cut out (506) should average two fence posts each, or 1012 posts. Good durable fence posts are now bringing 25 cents and upward; 1012 posts at 25 cents apiece would amount to \$253.

It is stated on good authority that the Hardy Catalpa will make an average of one inch in diameter per year under favorable conditions. Thus at the end of 20 years the trees should become 20 inches in diameter with a taper at the top. Such trees should contain 183 feet of lumber, board measure, 170 trees at this rate would produce 31,000 feet B. M. per acre in round numbers, which at \$65 per M would amount to \$2015. To this add the value of the posts, \$253 and the total amount will be \$2268, besides the waste will be valuable for stakes, poles and fuel.

#### Niagara Fruit District

The Buffalo News said of the Niagara district fruit crop at harvest time.

"Niagara county's fruit crop this year is worth \$3,000,000. In the fruit country lying along the lake shore every available farmhand is busy harvesting the great peach crop. On some farms tents have been erected to provide sleeping quarters in the orchards and afford protection for the packers. Bert Van Horn, a prominent grower, says he is sending 25,000 baskets

#### Distinctly a Rochester Flower

The Rochester, N. Y., Chamber of Commerce is seeking an official flower for the city. Among the suggestions is one in behalf of the aster; by a member of the firm of James Vick's Sons.

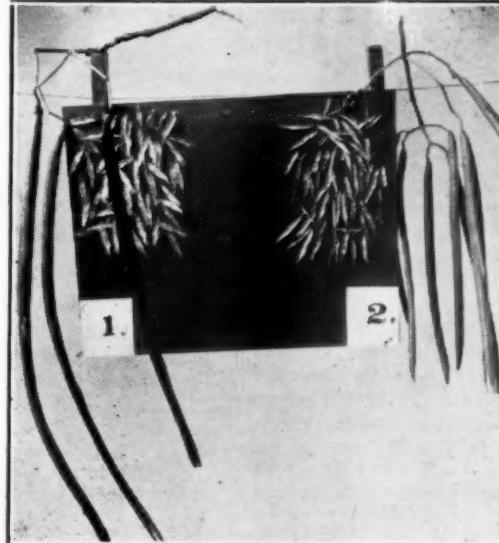
Previous to 1893 the aster seed consisted of small flower varieties. To-day as the result of careful selection, hybridizing and high culture the aster is a large and beautiful flower and twenty-five to thirty of the finest varieties have been introduced and are sold the world over.

From the time the work of developing the aster was taken up in earnest florists all over the country have taken hold of it. One result of this is that the home of the aster has actually changed from Germany to Rochester. In Rochester 2,500 pounds of the seed is raised annually, one concern alone giving up fifty acres to the raising of asters. Not only are the seeds shipped to all parts of the world but the flowers are shipped extensively from this section. Many market gardeners are going into the growing of asters. It may safely be said that Rochester has made the aster business of the world.

A despatch from Glasgow by the Canadian Associated Press reports complaints against the packing of apples from Canada for the British market. The largest fruit dealer in the north of Scotland asserts that formerly the low grade apples were packed in the bottom of the barrel, which necessitated the opening of both ends. This year they are packed in the middle, and every barrel must be emptied for inspection. The despatch adds that Canadian apples hold the first place in the Glasgow market and when honestly packed command the best price.

The aggregate output of the orchards of Berkeley County, W. Va., is estimated by Postmaster Alex. Clohan, president of the Berkeley County Horticultural Society, at more than 80,000 barrels, and the prices now being paid range from \$3 to \$5 per barrel. It is estimated that the growers of the county will receive a total of about \$325,000 for their crops this year.

The ten-acre orchard of J. Murdock, Cashmere, Wash., yielded 7500 boxes of apples; value of fruit \$1000 per acre.



No. 1—Genuine Speciosa Catalpa Seed, showing pod, three in a cluster. Very Valuable Timber.

No. 2—Bignonioides Catalpa, seed and pod, or common Catalpa, scattered over the country. A worthless tree.

## Big Demand For Peach and Apple

**New Life Instilled in Commercial Peach Orchards by Success of Georgia Fruit Exchange--Ornamentals In Strong Demand, Too**

By L. A. Berckmans, Augusta, Ga.

**T**HE outlook for business is good, so say the leading nurserymen in Georgia and Alabama.

There is a big demand for peaches and apples. The peach industry in Georgia is looking up and this fall there will be a considerable planting of certain market varieties. The Georgia Fruit Exchange is responsible for the new life which is being instilled in commercial peach orchards. Although the Exchange has been in operation less than a year, it has given most satisfactory results to its members and also to the independent shippers. The following statement under date of September 14, 1909, will give an idea as to the result of the first year's work of the Exchange, and this was on a 2,000 car crop:

Gross earnings, \$40,463.39; operating expenses, \$22,231.18; net earnings, \$18,232.21; expenses of organization, \$7,898.33; leaving net profit, \$10,333.88.

The Piedmont section of Georgia is coming forward as an apple section and many large orchards are being planted. Apple growing in the mountains of Georgia has passed the experimental stage and many orchards are on a good paying basis.

Ornamental trees, plants, shrubs, etc., are in great demand. Our people are beautifying their surroundings and almost every village, town and city in the South has its Civic Association.

The P. J. Berckmans Company have established their Landscape Department in the Harrison Building, Augusta, Ga., and they have all the landscape work they can handle for the next four months.

Mr. and Mrs. P. J. A. Berckmans, Jr., enjoyed a month's outing in Nova Scotia.

### Preparing for Nursery Stock

A deal was concluded recently between the Farmer's Irrigation Company of Silt, Colo., and Thomas Curtin, a Colorado Springs capitalist, which involves the building of a large canal and reservoir at an expenditure of several hundred thousand dollars in the reclaiming of 10,000 acres of fine sagebrush fruit land near Rifle, Colo.

Curtin will begin work at once, and will have the reservoir and canal completed by May, 1910. The entire system is to be modern in every respect. Two or three companies of surveyors are already at work in the valley mapping the land and laying out the roads. Several hundred acres of this land has already been sold at \$500 per acre and will be set out to high-grade commercial orchards in the spring of 1910.

Every twenty-four hours thirty-six carloads of grapes valued at \$36,000 are shipped out of Lodi, Cal., which of course is evident of the enormous increase of the table grape production. This means that more than a million dollars a month is being received for fruit shipped from this place.

### Experimental Fruit Farm

The appropriation of \$10,000 by the Maine Legislature last winter for the purchase of an experimental fruit farm has been followed by a wise selection by the committee named in the bill, and Maine pomology takes on new life. For years this class of work has been carried on in different orchards, and the value of the experiments as object lessons has been greatly reduced. Now, with ample means, and owning one of the best farms in the state for this class of experiments every friend of fruit interests is enthusiastic over promised results. This farm of 300 acres is located in the town of Monmouth, in Kennebec County, and is well known because of the large expenditure and improvement made by the Rev. Dr. J. R. Day, a former owner.



L. A. Berckmans.

### South Texas to Show 'Em

The South Texas fig and orange district is to be represented at the second National Horticultural Exposition, to be held in Council Bluffs, Iowa, late in November, by an attractive exhibit of coast country fruits. Mr. J. W. Canada, publisher of Southern Homes and Orchards and secretary of the Texas Citrus Growers' Association, originated the movement and has thus far been carrying it forward single-handed. He has enlisted the co-operation of many individuals and organizations interested in advancing the development of this region, and has received enough promises of help in the task to insure its completion.

"As long as our price basis is: That we can grow and sell as cheap as the other fellow, or indeed, go him one better, can we expect anything but meagre returns, or none? Are not the cut rates, reduced lists and cheap offers that flood our mails late every season simply an admission of our incapacity to dispose of our stock at fair and reasonable profits?"—J. H. Dayton.

### National Horticultural Congress

The publicity bureau of the National Horticultural Congress announces that this is an organization representing the very best minds in the United States devoted to the development of the enormous variety of fruits grown in the vast territory of our whole country. The forthcoming exposition will show the results of the intelligent work that has been done during the year. It will be a magnificent collection of the very finest fruits, vegetables, flowers and nuts grown from the Gulf of Mexico to Canada and from the Pacific to the Atlantic. Several hundred of the best known horticulturists of the United States are now earnestly engaged in promoting the interests of the organization, and the 1909 exposition will be one of the chief events of the whole country during the year.

The premium list this year is unusually attractive, a total of \$35,000 being offered in money, trophies and medals. Almost a score of beautiful trophies have been offered, ranging in value from \$35 to \$500. A handsome gold medal design has been selected and a sufficient number ordered to be in readiness for presentation at the time of the exposition. Besides these a large number of useful premiums have been donated or purchased, and liberal cash premiums will be offered in every class.

The Congress is scheduled for November 15-20 at Council Bluffs, Ia.

### Chemical Cold Storage

The new chemical cold storage building which has been in the process of construction all summer at North Rose, N. Y., is completed. The building has a capacity for 23,000 barrels and was built at a cost of \$35,000. It is equipped with duplicate machinery and its own electric lighting equipment. It is made of steel, stone and cement and has concrete floors. It is absolutely fireproof. It has been thoroughly tested for thirty days, and the company find that its keeping qualities are fully up to expectations. They are now ready to receive fruit from the public for storage. They have been experimenting with Clapp's Favorite and Bartlett pears, and find that after being in the building for thirty days, they are in a condition as perfect as when placed there. They find it an easy matter to keep the temperature of the building down to 25 degrees. North Rose is now second station in the matter of fruit producing from Oswego to Niagara Falls. An average of a car of small fruit leaves here daily.

"Cannot a few things that we all know would improve our business and put money in our pockets, be adopted and lived up to by enough of our members to make them so essentially the rules of our trade that no one will think of breaking them?"—J. H. Dayton.

## Pacific Coast Nursery Conditions

By S. A. Miller, Milton, Ore.

**N**URSERY stock throughout the northwest has, generally, made a good growth, especially one-year-old apple grafts. Nearly fifty per cent. of them will go into a four to five foot grade.

While the apple crop will fall short about one-half this year, yet the good quality of the fruit and high prices being received for it have a tendency to strengthen the already lively demand for the standard, commercial varieties of apple trees.

Italian prune and pear trees are also in good demand. Sales on cherry and peach have not held up in the usual proportion. However, there is no doubt but these will all be cleaned up before the selling season closes. In fact all present indications are favorable for the nurseries of the northwest to make a complete clean-up during the fall and spring at reasonably good prices.

Articles of incorporation of the Linnhaven Orchard Company, the corporation which plans to set out a 3000-acre orchard in Linn County, Oregon, were filed recently. The capital stock of the corporation is \$300,000, divided into 3000 shares of \$100 each, \$100,000 being preferred stock and \$200,000 common. The incorporators are Dr. W. H. Davis, ex-Mayor of Albany; E. R. Lake, an instructor in the Oregon Agricultural College, and F. J. Fletcher, a local merchant.

### 43 YEARS OF EXPERIENCE

We offer for fall of 1909  
and spring of 1910

#### California Privet

[Fine one-year-old plants]

Write for prices and special inducements on car lots

W. T. HOOD & CO.

#### Old Dominion Nurseries

Richmond, Va.

#### Nurseryman - Dealer - Seedsman

SELLING

Field Grown Roses, Shrubs, Iris  
Phlox, Cannas,  
Herbaceous Peonies

Our planting for the season 1909-1910 is the greatest in our history. Thirty Types of ROSES—Over Three Hundred Varieties.

We want your list of wants for the coming season. We have THE GOODS—Quality, Quantity, Variety—and can make the Prices. Prompt action to correspondence. The sooner—the better.

#### The United States Nursery Co.

RICH, Coahoma County, MISS.

### Western Oregon Fruit

According to the estimates of experienced men, the fruit crop of Western Oregon this season will be about 1,350 cars of apples and 640 cars of pears. Hood River Valley will require 125 cars to carry its apples to market and six cars to carry the pears. The Grande Ronde Valley will want 150 cars for apples and ten cars for pears. The Milton and Freewater district will require an equal number, while the Rogue River Valley will need 465 cars for its apples, 50 cars for its pears and ninety-five cars for its peaches. The orchards in the immediate vicinity of Medford will fill 400 cars of apples and 300 cars with pears.

The Rogue River pears, like the Hood River apples, bring the highest prices. Pears will not keep like apples, however, and are sold by the box at auction immediately upon arrival at market, to commission men. A train load of pears is made up here daily, and hurried eastward on passenger schedule time. A car will be dropped off at Omaha; another will be run down to Kansas City; others to St. Louis; more to Chicago and the rest will go on to New York, Philadelphia and Boston, dropping off a car at Pittsburg, Cleveland and Buffalo by the way, where the commission men are notified and the auction sales take place.

The bids are governed by the state of the market and the quality of the pears—the old law of supply and demand. Early arrivals have sold as high as \$6 a box in the New York and Boston markets. This year the Bartletts are selling at an average of \$3.40 per box. One carload sold for \$3.70 per box in Boston; another sold as low as \$2.80.

### An Apple Romance

A few years ago, a man in Lawrence county bought a hundred acres of ragged and brushy hillland. It was a most uninviting prospect, and if a man would stop to dream or figure over it, he would be sure to abandon it. But this man did neither, says the Columbus, O., "Journal." He went at it with a will and a patience; chopped, grubbed, burned until he got the place pretty well cleared off. Then he began to plant some apple trees, and kept at it until that hill was a thriving orchard. He died in the midst of his prosperity and left two sons, U. T. and E. G. Cox, with the apple ambition in their hearts.

Did you notice the great apple display at the state fair? Of course you did, for it was one of the finest features of that grand exposition; and Lawrence county is responsible for the greater part of that attraction; and that man, Nelson Cox, who grubbed an old tangled hill into an orchard was the inspiration of it all. It was his sons and a few of his neighbors' sons that made most of that apple display.

Notice a few figures; Of the possible premiums on apples, \$437, Lawrence coun-

ty captured \$289 of them, and she got all but \$25 of the premiums of the \$314 worth she competed for. These figures are not given for boasting purposes. They have a value far higher than that. They are given simply to show what a man can do when he has resolution and perseverance. When one realizes the tumbled-up topography of Lawrence county, hill over hill from the river bottoms back to the northern limits, and the Cox orchard one of these hills, he was able to read, in those piles and rows of beautiful apples, the lesson of their worth and beauty, the lesson of the old Roman that conquered a world—"Where there is a will there is a way." Nelson Cox had the will; his boys are honoring the way.

### NEW ENGINE CATALOGUE.

Fairbanks, Morse & Co., have issued a new and very interesting catalogue on their small Engines from 1 to 12 HP in which they describe for the first time their new 1 HP Engine "JACK JUNIOR". This is a practical durable 4 Cycle Engine, Water Cooled made to meet the demand for a small reliable engine for running light machinery.

The catalogue describes in detail the principles of operation and construction of their gasoline engines and is full of engineering suggestions stated in plain language for the benefit of the general public.

Send for a copy of the Catalogue No. 80D to Fairbanks, Morse & Co., Chicago, Ill., mentioning this publication.

36th YEAR

### PAN HANDLE NURSERIES

FALL OF 1909

We offer a Complete Line of Nursery Stock Consisting of

Apple,	Pear,	Plum,	Cherry,	Peach,
Grape,	Currant,	Gooseberry,		
Small Fruits,		Maple Norway,		
Maple Schwedlerii,		Maple Silver,		
Poplar Carolina,		Poplar Volga,		
Elm American,		Sycamore Oriental,		
Sycamore American,		Mountain Ash,		
Box Alder,		Althea,	Hydrangea,	
Barberries,		Syringa,	Weigelia,	
Clematis,		Honey Suckle,	Wistaria,	
Ampelopsis,		Roses,	Evergreens,	
California Privet,		Buxus,	Weeping Trees,	
Catalpa Speciosa Seedlings,				
Black Locust Seedlings,				
Catalpa Speciosa Seed				

Our stock is well grown and graded and prices are such that it will pay you to investigate. Come and see us or write.

J. K. HENBY & SON

Greenfield, Ind.

## American Pomological Society

**Abstract of Proceedings of Thirty-First Biennial Session at St. Catherines, Canada--  
Valuable Papers--Interesting Discussions**

By Prof. John Craig, Secretary

**T**HE first meeting of this historic society ever held in Canada occurred at St. Catherines, Ontario, September 14, 15, 16 and 17. This conference was notable for the fine display of fruit exhibited in the spacious armory at St. Catherines under the auspices of the local horticultural associations. It was notable also for the large delegations present from distant states, especially the Gulf States and the North Western group. Florida was represented by eleven members of the State Horticultural Society, while Minnesota, Wisconsin and other Middle West States were represented by goodly delegations. The meeting was also notable for the attractive and instructive excursions arranged and splendidly conducted by the local committees who were ever thoughtful and courteous. These excursions which occupied the afternoons of the 16th, 17th, and the entire day of the 18th, carried the visitors through the magnificent and intensely cultivated fruit lands of the Niagara district and to the grounds of the Ontario Agricultural College where the guests after being warmly welcomed by President Creelman had the opportunity of inspecting one of the most completely equipped and best manned agricultural colleges in the country.

All the officers of the Society, including the members of the Executive Committee,

except Charles W. Garfield, detained by illness and whose genial presence was greatly missed, were present. President Goodman of Kansas City and Secretary Craig of Ithaca were busy men from the opening of the program on Tuesday night until its close on Friday night. The society was officially welcomed by Hon. James Duff, provincial minister of agriculture, and Mayor Campbell of St. Catherines, Col. Watrous responding.

### LEADING FEATURES OF THE PROGRAM

It was conceded by all persons present that at no time in the previous history of the Society had there been gotten together such a valuable and timely set of papers. Many of these gave the latest and most up-to-date information on questions of great practical importance to the fruit grower at the present moment. The addresses of Dean Bailey of Cornell and W. C. Barry of Rochester, were stimulating to amateur and commercialist alike.

A group of addresses on summer use of sulphur sprays by Messrs. Wallace of Cornell University, W. M. Scott of the U. S. Department of Agriculture, and Professor J. P. Stewart of the Pennsylvania State College, gave an epitome of the season's experience and showed quite conclusively that the lime-sulphur in the self-boiled form is a specific against the leading fungus diseases of the apple and the brown rot and scab of the peach. The extensive experiments reported for the first time by Mr. W. M. Scott as conducted by the Hale Orchard Company, Fort Valley, Ga., proved the latter contention very conclusively. The experiments of the Cornell Experiment Station, presented by Mr. Wallace, showed its efficiency in preventing apple diseases, while Mr. Stewart's studies bore more particularly upon the chemistry and the best means of preparing the spray. These papers will be given in full in the Society's report which is now being prepared for the press. A new era in spraying has arrived.

Another important set of papers dealt with the adaptations of varieties of apples to soil and climate. In this group a considerable mass of new data was brought out. The subject was discussed by Col. G. B. Brackett, Division of Pomology, Washington, D. C.; H. J. Wilder, Bureau of Soils; Robert Brodie, practical orchardist, Montreal, Canada; and H. P. Gould, in charge of field investigations of the apple in the U. S. Department of Agriculture. These papers are of much value to the teachers and student of pomology.

### COOPERATIVE MARKETING

A splendid presentation of the advantages and limitations of the box package as compared with the barrel was given by Director S. W. Fletcher of the Virginia Experiment Station. In this address Professor Fletcher showed that the box package was undeniably the package for fine fruits destined for export as well as for consumption in the market. There would

probably always be a class of fruit grown which might better be handled in barrels than in boxes. Mr. W. H. Reed of New Jersey presented the experience of a local vegetable exchange in handling the potatoes of a single New Jersey community. This valuable paper described in detail a satisfactory method of organizing and conducting a producers' exchange. In fact it was a leaf from the book of his own experience. It demonstrated the marvelous possibilities of cooperation in this connection. Robert Thompson's address illustrated the possibilities of cooperative buying. Other papers by Western fruit men detailed their experience.

### SUB-TROPICAL FRUITS

This division of fruit culture received well merited attention in several papers presented by members from the Gulf and South Western States. One of the notable addresses was a paper by Mr. G. L. Taber, the well known orange grower of Glen Saint Mary, Fla., on the present status of *citrus trifoliata* as a stock for the orange. The writer clearly defined the good and weak points of this plant as a stock and showed that its greatest value lay in extending the range of orange culture northward by using the Satsuma or-

## THE Xenia Star Nurseries

XENIA, OHIO

WHOLESALE GROWERS OF

APPLE	PEAR	PLUM	PEACH
CHERRY		QUINCE	

### SEED POTATOES

Carload Lots a Specialty

Raspberry, Blackberry  
and Strawberry

### Plants

We have a complete assortment.

Will be glad to figure on your  
want-lists for Fall 1909,  
and Spring 1910

Personal Inspection Cordially Invited.

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Large stock in all grades. This stock being our leading specialty we are able to quote low prices and believe that we have the largest stock of any nursery in the country. Besides we offer Shade Trees, Shrubs, Berry Plants, Grape Vines, Roses, Cannas, etc. Special prices on car load lots for booking of early orders. Trade List ready August first.

Valdesian Nurseries, Bostic Dept.  
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### GRAVES PEACH

An Early Yellow Freestone

Ripening a week before Crawford's Early. Trees from the originator have seal attached. Prices free.

ORIGINATOR

W. J. GRAVES, Painesville, Ohio

ange on this stock. He was of the opinion that large areas in South Eastern Texas and Southern Louisiana might be utilized for orange culture if this stock were employed. For dry soils and in the best orange sections the stock was not to be recommended.

#### NUT CULTURE

The subject of pecan culture was admirably treated by H. H. Hume, Glen Saint Mary, Fla., and S. H. James of Mount, La. Both papers treated the possibilities of pecan culture in a sensible, reasonable manner. The glamour and romantic possibilities may be said to have been peeled off and the great future of the industry sketched without exaggeration. Both believed that there was a large future for pecan culture in the South West and that when the propagated varieties came into the market the demand for the improved nut would increase very rapidly. A pecan investment might be regarded as a staple and permanent one. Chestnut culture was treated by Mr. J. C. Reist of Pennsylvania.

On the questions of orchard management valuable papers were given by F. T. Shutt, Chemist, Dominion Experimental Farms, Ottawa; Professor W. R. Lazenby, Ohio; Professors F. C. Sears of Massachusetts and W. S. Blair, Macdonald College, Quebec. Mr. Shutt's experiments emphasized the necessity of using cover crops for the purpose of stimulating the proper ripening of the tree in the autumn in order that it might go through the winter without injury. He showed that the cover crop reduced the amount of moisture in the soil but that on the other hand there was more moisture in cover cropped soil ordinarily than in bare, uncultivated soil. On the ground of being a preventive to root injury in winter the cover crop was a valuable factor in orchard management.

A paper of great interest and much value, giving practically thirty years' experience in grape growing in the Niagara district, was that presented by Murray Pettit of Winona. In this paper Mr. Pettit sketched the commercial development of the grape industry in the province and showed its present condition. He recommended, on the basis of his experience, a list of varieties of greatest commercial value at the present time and gave these in the order of their merit. It was curious to note that the Champion, a variety though handsome in appearance is exceedingly low in quality, was a prominent member of the first six recommended. Other important papers on Grapes were presented by Mr. W. T. Macoun, Ottawa, and Professor Biocletti of Berkeley, Cal.

The first excursion was by steam and electric car, covering ground from St. Catherines to Hamilton and taking the visitors through that beautiful stretch of land between the escarpment of the old Lake Shore line and the present boundary of Lake Ontario. In this region the peach, the pear, the plum and the grape are now the staple fruits. They have replaced in large measure the extensive apple orchards of fifteen years ago. Visitors were shown many areas here which could not be bought for one thousand dollars per acre and which were yielding at the rate of four to five hundred dollars per acre in the

fruits mentioned. The region differs from the fruit section of the North West Pacific in that every farm is not for sale. In other words, every fruit grower "hasn't his price". Many farms could not be bought for any reasonable sum. They are homes and are being maintained as such.

On Friday the visitors were taken by motor cars through the Niagara Falls section and down to the historic town of Niagara-on-the-Lake. This section is noted for its scenic beauty, for the features of historic interest which cluster along the line of the Niagara River. Here it was that some of the stirring incidents of the War of 1812-14 were enacted and relics of that unnecessary struggle are seen on every hand. The return trip was made along the Niagara River where vineyards stretch on every hand where peach orcharding is an extensive industry.

A resolution was passed favoring the enactment of a law for the control of manufactured insecticides and fungicides. This is simply in the line of the pure food law, which means that the purchaser should know what he is buying and calls upon the manufacturer to state the composition of the article offered for sale. A resolution was also passed, and a committee appointed to further its enactment, for the making of a law providing for inspection of imported nursery stock and the quarantine or destruction of stock found to be infested with dangerous insects or fungus pests.

A strong invitation was presented by the Florida delegation to hold the next session of the Society in that state. The matter was referred to the Executive Committee and will be carefully considered.

#### OFFICERS ELECTED

Officers were elected as follows for the next biennial period. L. A. Goodman, President, Kansas City, Mo.; John Craig, Secretary, Ithaca, N. Y.; L. R. Taft, Treasurer, Agricultural College, Mich.; T. V. Munson, 1st Vice-Pres't., Denison, Texas; C. L. Watrous, Chairman Executive Committee, Des Moines, Iowa.

#### WILDER MEDALS AWARDED

The Committee on Awards, Chairman W. A. Taylor, Division of Pomology, Washington, D. C., awarded medals to the Dominion Experiment Farms, Ottawa, for a collection of Northern fruits, including a number of promising hybrid apples, crosses made by the former Dominion horticulturist, Professor John Craig, present Secretary of the Pomological Society. These were crosses between the McMahan White and Scott's Winter. Messrs. Ellwanger and Barry, Rochester, N. Y., silver medal for a collection of apples, pears and grapes. A. P. Stevenson, Nelson, Manitoba, silver medal for a noteworthy collection of fifteen varieties of apples grown on his own grounds at Nelson, Manitoba. Burlington Fruit Growers' Association, Burlington, Ontario, for district collection of fruits, silver medal. Indian Head Experimental Farm, Saskatchewan, Can., silver medal for collection of hybrid apples grown in that section. Bronze medals were awarded as follows: W. K. Munson, Grand Rapids, Mich., exhibit of King grape; R. B. Whyte, Ottawa, Ont., exhibit of English gooseberries in bottles; of fruit grown on one farm; St. Catherines

Continued on page 99

## Nurseries---F. DELAUNAY

ANGERS, - - - FRANCE

### SPECIALTIES

Fruit tree stocks as:

**Apple, Angers Quince,  
Mazzard Cherry Mahaleb  
Myrobalan, Pears,**

Etc., Etc.

Forest trees seedling and transplanted:  
**Evergreens, Ornamental Shrubs, Manetti,  
Multiflore Roses.**

My General Catalogue will be sent free on application

## P. SEBIRE & SON

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Offer a general assortment of **Fruit Tree Stocks**, such as Apple, Pear, Myrobalan, Plum, Mahaleb and Mazzard Cherry, Angers Quince, Small Evergreens, Forest Trees, Ornamental Shrubs, Roses, Etc. The largest stock in the country. Prices very low. Grading and packing the very best. Send for quotations before placing your orders. Catalogue free.

### C. C. ABEL & CO.

Agents for United States and Canada

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## Forest Tree Seeds and Seedlings

We make a Specialty of

<b>Black Locust,</b>	<b>Catalpa Speciosa,</b>
<b>Red Bud,</b>	<b>Sweet Gum,</b>
<b>Soft Maple,</b>	<b>Altheas, Etc.</b>

Send for Trade List

## Forest Nursery and Seed Co.

McMinnville, Tenn.

We offer for Fall, 1909, and Spring, 1910

*Exochordia Grandiflora*, 2-3 and 3-4.  
*Honeysuckle*, M. Fragrant—2 yr.  
" Scarlet Trumpet—2 yr.  
*Forsythia Fortunii*, 2-3 and 3-4.  
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" Billardi, 2-3 and 3-4.  
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**NORMAN & HACKER, - Painesville, Ohio**

## August Rolker & Sons

NEW YORK

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AMERICAN AGENTS for leading French, English, Belgian and Holland Nurseries.

Write us for catalogues, stating what list you want.

### The Simplex Tree Baler

Does the Work. Price \$16.00

It Is Now Working in Seventeen States

Also Fruit and Shade Trees, Evergreens, Ornamental Shrubs, Roses, Peonies, Gladiolus, Cannas and Dahlia Roots.

Special—20,000 California Privet

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# Development of a Great Tree-Growing Industry

**High Standard Adopted By One Firm Over Twenty Years Ago the Means of Building Up One of the World's Largest Nurseries.**

**S**OMEWHAT more than twenty years ago, there was beginning in an obscure village down on the peninsula of Maryland, a modest little tree-growing establishment. There was also an idea—a definite—in the minds of the proprietors as to how such a business should be conducted, and they proposed to see it through.

Today the establishment is still there, but it is not small; the town is no longer unknown, but has a reputation that extends all the way around the world. It is famous through the name of the men who have much to do with making a profession of the nursery business—J. G. Harrison & Sons.

The idea upon which this famous industry has been built is that the tree-buying public is entitled to a knowledge of what it is getting, and that, having purchased, it has a right to expect trees that will not only thrive and grow, but will prove, when blossoming and fruiting times comes, to be what they were represented to be.

To insure this, J. G. Harrison & Sons maintain great fruiting orchards, of which records are carefully kept and from which wood for budding and grafting is obtained. Thus they have been able to furnish at all times strictly reliable trees.

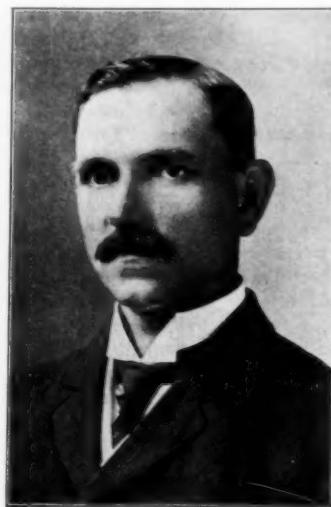
This is but an instance of the care that Harrison's have devoted to producing the right kind of trees. Many others are in evidence daily and are constantly brought to the attention of the visitors at the Harrison establishment.

Substantially more than two thousand acres are owned and occupied by J. G. Harrison and Sons in growing their hundred of varieties of fruit and ornamental trees, vines and plants. Their stock of single kinds—Peach or Apple, for example—frequently runs into the millions, while counting by hundred-thousand and half-millions lots is an every day matter. The cultivation of the various evergreens receives special attention.

There are so many interesting things to be seen in the course of a visit to Harrison's Nurseries that the proprietors have recently issued a general invitation to friends, urging that they make a special point to visit and inspect the nurseries during the coming fall. Aside from the interest that the nurseries themselves hold for every lover and grower of trees, there are various attractive points nearby. On one of the Harrison farms stands a building, still in fair preservation, marking the birth place of Commodore Stephen Decatur. Ocean City, Maryland's beautiful shore resort, is but seven miles distant, and excellent service over the Baltimore, Chesapeake & Atlantic Railway and the Pennsylvania Railroad makes a trip to Baltimore, part of the way by steamer up the Chesapeake Bay, a short and easy matter.

The hospitality of Southern homes is proverbial and all who have been entertained at the Harrison's know that it is no way lacking there. In short, a visit to Berlin forms a most desirable and enjoy-

able trip, and no lover of trees, while traveling in the East, should overlook the attractions which it offers. In addition to their plant at Berlin, they are interested in fruiting orchards in Western Maryland and West Virginia, aggregating over 125,000 trees apple trees and several peach and pear trees.



Orlando Harrison.

## Four Cherry Crops in One Year

To the Eastern fruit-grower, with his one uncertain crop per year, the fact that Sacramento Valley cherry trees have borne their fourth plentiful crop this year must seem like a miracle, says the San Francisco Chronicle.

Who ever heard of cherries in September anywhere outside of California? Even in this state it is a trifle unusual, and considerable interest is being taken in the fact that Oroville and other Sacramento Valley towns are shipping cherries from trees that are heavily-laden with a splendid crop of the luscious fruit.

Fruit-culture in that section has been developed to a remarkable extent, but there are other parts of California which have the proper climate conditions to do equally well.

It does not seem so very long ago that Eastern markets were supplied for the most part by fruit from semi-tropical countries in Europe, after the Eastern crops had been harvested. Even California oranges had small sales, compared with those from Florida and Italy. But this soon changed, and now this state has become the source of supply for most of the world that can be reached by such perishable products.

The largest commercial apple orchard in the world, devoted exclusively to the Spitzenbergs and Winesaps, is being developed by Spokane men and the company recently filed incorporation papers with a capital of \$50,000 fully paid up. The incorporators are H. J. Shinn and Dr. N. F. Essig of Spokane; Joseph Platter of Entiat, Wash.

## Saving the Shade Trees

Rochester's park officials will watch with interest the fight which the New York and New Jersey authorities are planning to save the apparent impending wiping out of certain varieties of shade trees due to the ravages of insect pests which have been unusually destructive this season. And while there is unanimity of opinion as to the necessity of drastic and immediate action, there is a wide difference of ideas as to the proper methods to be employed.

In past years the Rochester park board has done commendable and efficient work by offering rewards for the destruction of the cocoons of certain pests. For one or two seasons, however, that plan has been discontinued, and general effort being rather conspicuous by its absence.

New Jersey has suffered particularly from the ravages of the elm leaf beetle, as a result of which thousands of those trees are dead or dying, and the state forester and state entomologist are urging a state campaign against the pest. New York authorities counsel the removal of all trees of the varieties most susceptible to the pests' attack. This plan is earnestly advocated by Dr. W. A. Murrill, acting director of the New York Botanical Gardens and for some time connected with the botanical division of Cornell University.

## Niagara Sprayer Company

The Niagara Sprayer Co. has a plant at Middleport, N. Y., where they manufacture spraying machines for fruit trees, shade trees, nurseries, vegetables, shrubbery and green houses. They are also eastern agents for the famous Bean Spray Pump Co., San Jose, Cal., and Cleveland, Ohio. They also carry a complete line of hand pumps and gasoline sprayers. They have also another plant at Burt, N. Y., where they manufacture Niagara Brand lime and sulphur solution, of which so far this year they have shipped 117 car loads. It is said that this firm manufacturers and sells the most complete line of spraying supplies of any in the United States.

## South Texas Fruit Exhibit

When Mr. Tenney, the United States expert who visited Texas several months ago and reported against the probability that Texas Satsuma growers could find profitable markets for their crop, he gave a challenge that the Texas growers were prompt to take up. This movement for an exhibit at Council Bluffs is the first step taken to disprove Mr. Tenney's prediction. Orchard, nursery and land men in this region realize the vital importance of making this exhibit a fine one, and the outlook is that, with nine weeks in which to prepare and place an exhibit, it will be the best and largest of its kind that will be seen at the national horticultural show.

## Nebraska Nursery Conditions

**Fine Line of Stock to Supply Demand—Good Crop of Fruit—  
Shipping Apples to Chicago**

By George A. Marshall, Arlington, Neb.

The nurserymen are in good shape at the present time and have a nice lot of stock to supply with. Nebraska, as a whole is in a very prosperous condition. While the drouth hurt the corn some, yet we have an abundant crop in a good shape of the corn part of the state.

We also have a good crop of fruit. Are loading cars at many stations here for the eastern markets. We are now loading a car of Grimes Golden and Jonathan for the Chicago market and will be on the later apples next week and the week following.

### A Western Tale

The following despatch from Sunnyside, Wash., to the Seattle "Post-Intelligence" was published August 23, when the Alaska-Pacific-Yukon Exposition was at its height:

"The 40-acre orchard recently purchased from Mrs. R. D. Young by W. W. Sawyer, contains a Grimes' Golden apple tree from which 5,033 apples were picked in thinning and it still has about 4,000 on it, 1,000 of which will have to be removed by a second thinning. This is a fair sample of 103 similar trees of this variety, covering three acres. About twenty boxes of apples will be allowed to mature on each tree, one-fourth of which will probably be seconds, leaving fifteen boxes of firsts. There is a standing offer of \$3 for these fifteen boxes."

### NEW WINDMILL CATALOGUE.

Fairbanks, Morse & Co., have just issued a new catalogue of Wood and Steel Windmills. The theory and details of construction are analyzed and published completely for the first time in this book.

Pumping Systems and the new "Femco underground force pump" are described in detail. The technical information and practical suggestions contained in this book ought to be read by all those interested in Windmill pumping.

Send to Fairbanks, Morse & Co., Chicago, Ill., for a copy of this Catalogue mentioning this publication.

### \$8,884 From 22 Acres of Pears

From 22 acres planted to pear trees 6445 boxes of fruit were taken and sold for \$8884 on board cars at Medford, Ore. Forty acres of pears have not for years averaged over \$500 an acre net to the owners. The average yield of both pears and apples is \$600 an acre. The Burrell orchard, with this record is the largest bearing orchard in Oregon and a famous producer, having never had a crop failure. There are 560 acres in the property.



G. A. Marshall.

William Edmunds, the well known Wenatchee, Wash., fruitgrower, is getting together 40,000 boxes of Wenatchee apples which, he says, he will take to England next month where he will exhibit and sell them. Last year Edmunds took seven carloads of fruit to England and exhibited it in London, selling it at fancy prices. The trip is to be made under the auspices of the Wenatchee Valley Fruit Growers' Association.

When the International Exposition opens at Brussels, Belgium, next year, the Sacramento Valley will have an exhibit there which will be the finest ever sent out of the country. Plans are to be made to send an exhibit of dried and preserved fruits to the Exposition, demonstrating the importance of California in the fruit industry.



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the following:

**California Privet  
Catalpa Bungeii  
Weeping Mulberry  
Etc.**

CALIFORNIA PRIVET

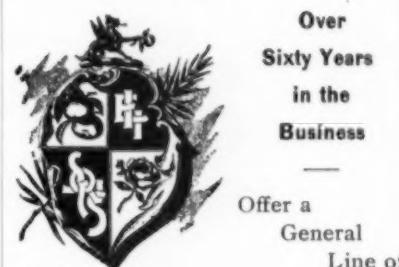
2 to 3 ft. 18 to 24 in. 12 to 18 in.  
**35000 40000 50000**

CATALPA BUNGEII—Fine straight stems 5% ft stems 6 ft stems  
**2000 5000**

TEAS WEEPING MULBERRY—Straight Stems  
**1500 500**

Good Heads

**The Monroe Nursery  
I. E. Ilgenfritz' Sons Co.  
MONROE, MICH.**



**Peach, Std. Pear,  
Plum, Cherry, Etc.**

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**I. E. ILGENFRITZ' SONS CO.  
MONROE, MICH.**

Manufacturers of the Celebrated Ilgenfritz Graft and Stock Planter and Firmer.

### Soft Maple Seedlings

Good supply 6-12, 12-18, 18-24 in.,  
2-3 ft. stocky.

### Asparagus, 2 yr., fine.

We grow them to Sell. ASK FOR PRICES

Evergreens, Privet, Ornamentals and Shrubs,  
Grape, Dewberries, Pawpaw, Persimmon, etc.  
Horseradish, Rhubarb, Scions.

TRADE LIST READY

### Wild Bros. Nursery Co.

Established  
1875

Sarcoxie, Mo.

Adair County, Missouri, is the home of the big red apples this year. Fruit men estimate the surplus crop at two hundred cars, and many place it even higher. The crop this year is the largest one in many seasons, surpassing that of six years ago.

### SHADES by the Car Load

	2 in.	2 in.	18 in.	18 in.	18 in.	18 in.	1 in.
Elm, American	300	500	1500	2000	2000	2000	
Hackberry	400	600	800	1000	2000		
Locust (black or yellow)	....	....	2000	3000	5000	10000	
Maple, (silver or soft)	500	800	1200	1500	3000	5000	
Poplar, Carolina	....	100	200	300	1500	5000	
“ Lombardy	200	200	100	100	100	300	
Sycamore	500	1000	2000	3000	3000	5000	
Willow, American Weeping	....	....	500	1000	1000		
“ Babylonica	....	....	200	500	500		
“ Thurlow	....	....	100	200	200		
“ Wisconsin	....	....	100	200	200		

### ROSES Hardy Climbers-Extra Heavy--H. P.

Fine Teas-all, choice field grown

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SHERMAN, TEXAS

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**ROCHESTER, N. Y., NOV., 1909**

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<b>Editing Report</b>	George C. Seager, Rochester, N. Y.
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## Fruit Growing in Virginia

WHILE the apple season has not proved a good one, it will still bring fortunes to some farmers and substantial bank accounts to others. Many a farmer, in making up his annual accounts, will find that his fruit, which cost him little in time and labor, has actually brought him a more solid return than his field crops. Others will discover that a single apple tree has paid better than the richest acre of cultivated farm land.

These facts lead the Richmond "Despatch" to make some pertinent observations. What is true of scattered cases here and there should be true of the entire Piedmont territory, says the "Despatch." The fortune that has fallen to the few should belong to all farmers in this splendid fruit section. All alike possess land which has been certified by the United States Department of Agriculture "possesses physical characteristics which make them well suited" for fruit growing. All share the advantage of the same climate and have the same transportation facilities.

Perhaps the chief reason why so many farmers fail to take advantage of their possibilities is that they are ignorant of the fortune lying open to them. With a single year's fruit crop reaching a value of more than \$5,000,000, there seems little room for such ignorance. With men around them making \$10,000 a year from their fruit, there is no justification whatever for neglect.

A few years ago, a young man in a Piedmont county bought a young orchard of apple trees for \$10,000. He had not a dollar of capital, and hoped to meet his notes with the receipts from his orchard. In three years' time he owned the property, without a dollar's incumbrance, and at the end of his fourth season he sold the fruit as it hung on his trees for \$5,000. This is but one example of many that might be cited—all sermons on the same text.

Indications are that more farmers are now aroused to the possibilities of fruit growing in Virginia than at any previous time in our history. When every idle acre in Piedmont is planted in fruit, the State can come into its own, provided the farmers care properly for the fruit they raise. This, indeed, is no less important than securing a large yield. Virginia apples today are as fine as can be grown in the world, but when they are shipped in rough barrels, uncleaned and unsorted, they cannot command the best trade. The fruit growers of Washington State, who ship apples of inferior eating qualities, get the highest market prices because they wrap each apple in paper and ship them in separate paper boxes. Let Virginia fruit growers follow this example of Western business push.

## New York State Farms

Abandonment of New York state farms, the overlooking of possible riches in this state by persons who are seeking fortunes in agricultural pursuits, has been the subject of much comment in recent years. It seems to be a fact that there is no improvement in conditions and that New York is not awake to its opportunities in this direction.

One of the latest to call attention to this condition is Secretary of Agriculture Wilson, who has been on an automobile trip through the state. "Agriculture seems to have declined in New York state to a great extent," Mr. Wilson says.

And then the secretary adds this significant statement: "Sixty thousand Americans have gone to Canada and taken \$60,000,000 with them to buy wheat lands in Canada. They would do better to take up these old farms here and manage them by modern means. I expect we will see men coming from the West to take up your old farms if nobody else does. The farms in this state are not exhausted. In some cases they have become unproductive by failing to rotate crops and again because there has been no change of seed."

Agriculture is an important item of industry and commerce. The farm lands of this country are among its richest assets. Proper cultivation of the farm lands in New York state will add to its prosperity and wealth. It seems that an important possibility of development in the Empire state is being overlooked and neglected, to the advantage of not only other states, but even of Canada.

## Apple Shipments to Europe

Last year the total shipments of apples to Europe were not much over one and one-half million barrels out of a crop of some 2,000,000 barrels. The high price tended to reduce the demand in Europe and cut down the shipments. Yet it will be noticed that the proportion was not very far from the average of 15 per cent. in proportion to the whole crop. For the past four years preceding last year, the exports were something over 2,000,000 barrels each year and the crop ranged from 28,000,000 to 45,000,000 barrels. The largest exports were in 1903 when they were over 3,500,000 barrels.

### \$1 FOR A DOZEN PEACHES.

Peaches measuring 10 inches around and selling for 12 cents apiece were recently a curiosity on the city market at Hagerstown, Md. A ten-pound basket of the prize fruit sold for \$1. There were a dozen peaches in the basket. They were of the Shapley late red variety, and came from the farm of Mrs. Mary Hoffman, near South Mountain.

"Is not now a good time for concerted action in a common cause?"—J. H. Dayton.

# Establishing a Standard and Maintaining It

**Straightforward Business Announcement Which Seems Directly In Line With What J. H. Dayton Has Argued For Before American Association and Southern Association of Nurserymen**

**I**N VIEW of the suggestions advanced by J. H. Dayton at the annual convention of the American Association, and later at the convention of the Southern Association, it is of interest to note the following announcement in the regular course of business by the Winfield Nursery Company, Winfield, Kan.:

"To succeed, where others said we would fail, gives us not a little pride in saying, our customers have appreciated "Trees of Quality" and gladly paid us the price that would enable us to furnish them. Their own letters tell the story better than we can.

"Twelve years ago when we started the improvement methods in horticulture in a small way with a 10x12 ft. board packing shed, some old tree growers said: No use, people will buy the cheapest. We now announce they were wrong. The people want the best.

"We choose soil and climate conditions that will give our stock vitality, thereby good root systems, hardness and a tree of longevity. This accounts for our branch plants. All stock can not be grown on one soil any better than all live stock could be grown on one food.

"We market only the best. Culls are weaklings, we prefer to burn and maintain our reputation for quality.

"We use the best brick storage and packing buildings for care in preserving all vitality in our stock regardless of expense. Our packing in paper lined boxes with non-heating packing material insures perfect condition of stock on arrival regardless of distance. In fact we so guarantee it to our customers.

"The pedigree of the scions and buds used by us in propagation are as well known to us as is the blood of any individual animal to any fancy live stock breeder.

"The spraying of stock in growing stages and fumigation before shipment gives us no fear whatever in shipping to any state or undergoing the most rigid inspection.

"Don't waste time by asking our stock at the same prices of inferior stock. Our prices are for "Trees of Quality," regulated by cost of production. If you want the best we want your trade."

If Aladdin had rubbed the chimney of his magic lamp in modern times he could have caused no greater change than those which have taken place in the Rogue River Valley during the past few years. From a partly desolate land of alternating meadows and mountains, marked here and there by a miner's cabin or Rogue River Indian village, the valley has become one of the garden spots of the world, sending its luscious fruit into all quarters of the globe. On every hand in place of the unkept meadows and timbered uplands now stretch well tended, cloudless orchards, surrounding neatly painted homes, barns and packing-houses, all signs of the habitation of happy, prosperous, industrious men.

## Mr. Albertson's Suggestion

Emery Albertson who has removed from Long Beach to Whittier, Cal., writes to AMERICAN FRUITS that while he expected to meet with the other members of the American Association in Denver, next June, it is probable that the date will conflict with that on which his daughter will graduate and this may prevent his attendance at the 1910 convention.

In this connection Mr. Albertson suggests an inquiry as to advisability of changing date of annual meetings of the American Association to one or two weeks later in the month, so that more time would be given to members to close up results of spring business. This idea has been advanced several times.

Mr. Albertson writes: "Whittier which is to be our future home is a beautiful little city of 5,000 population, located fifteen miles to the southeast of Los Angeles in the heart of one of, if not the best of the orange and walnut sections of South California, lying at the base of foothills. Here orange and lemon groves 10 to 12 years old when offered for sale bring \$3000 to \$3500 per acre.

"We are always glad to see our old friends and hope when in this section they will call on us. Had a nice visit by Peter Youngers, wife and daughter a few days ago."

## Did You Notice It?

The manner in which AMERICAN FRUITS is conducted meets the hearty approval of those who are endeavoring to conduct similar publications. Did you notice the compliment that was paid to this magazine last month? As a result, every nursery trade journal in the United States now makes up its pages as those of AMERICAN FRUITS are made up—with the advertisements next to reading matter; that is to say, to some extent. The full measure of copying this feature has not been executed.

We thank you, gentlemen, for this endorsement of our idea.

We are arranging another stunt.

The grape industry of the Chautauqua-Erie belt in Western New York made possible by the Concord grape, created by Ephraim W. Bull, is now famous the world over. Forty thousand acres of vines cover hill and valley from Silver Creek to Harbor Creek, Pa.

South Texas is rapidly becoming a great citrus growing region, the third, the last and perhaps ultimately the greatest in the United States. The interest in its development throughout the Northern States is very great and now all eyes are turned toward Texas. The showing of a large exhibit at this National Horticulture Congress at Council Bluffs will be one of the very attractive features.

## How to Make Advertising Successful

"AMERICAN FRUITS" guarantees the largest paid circulation of any nursery trade journal in the world.

Advertisements are placed next to reading matter—a policy original with "AMERICAN FRUITS" in Nursery Trade Journalism.

This magazine is the only Nursery Trade Journal published in two colors—no expense is spared in its production.

"AMERICAN FRUITS" is the only Nursery Trade Journal printed on heavy enamel paper—making it one of the handsomest journals representing any trade.

One reason why "AMERICAN FRUITS" carries the largest paid subscription list is because, although it is the most expensively printed journal in the trade, the subscription price is but 50c per year. This makes it irresistible.

These are features of "AMERICAN FRUITS" absolutely exclusive to this magazine. They are points which count definitely in behalf of the advertiser. As a business man paying for advertising it is directly to your interest to consider these facts, and to act accordingly. Rate is \$1.40 per column inch, each insertion, with discount for term. Compare it with other rates.

So attractively presented are the advertisements in "AMERICAN FRUITS", (Indeed, they are treated as news items and are placed next to other news items) that large space is not essential to securing attention. Two or three inches of matter well displayed is bound to be seen by the thousands of readers who look to "AMERICAN FRUITS" for the first and most reliable news of the Nursery Trade.

The secret of successful advertising is: Moderate space used regularly; frequent change of copy; larger space on special occasions.

Recognizing the fact that the irrigated portions of the Yellowstone valley are destined to become the great apple raising lands of the country, the Chamber of Commerce of Billings, Mont., has decided to make a special exhibit of Yellowstone valley fruits and toward that end is going to expend considerable money in bringing before the people who visit its headquarters the best that the orchards of the valley are at the present time producing. Secretary Brayton of the Chamber of Commerce has announced that every man in the Yellowstone valley who has a good orchard is requested to make a careful selection of one or two crates of his best apples of each variety, and to send them to the Chamber of Commerce. These apples will be paid for at the customary market rates by the association.

## Land Sharks Hurt Nursery Business

**Unscrupulous as to Quality of Stock Unloaded Upon the New Comer--Good Prices Can and Should Be Secured for Clean, Honest Nursery Stock--  
Inter-Mountain Conditions**

By P. A. Dix, Roy, Utah

**T**HE SEASON in Utah, as well as the Northwest, has not been as good for the growth of nursery stock as we would like. The growing conditions were very poor till late spring, consequently nursery stock did not get fairly started before July.

In our immediate country the weather was wet and cold and continued so up into June. In the Northwest it was cold in the fore part of the season and during the later season has been dry. The latter part of the season, however, in our locality has been very satisfactory and the stock is making up well and the indications are that by the time digging season comes on our trees will be very satisfactory both in Utah and the Northwest; perhaps not as large as in the former years, but good, clean, thrifty trees and we think will please the planter.

### Let Us Contract to Grow Your Apple Trees

We can grow 20,000 to 70,000 one-year whole-root grafted apple trees for delivery fall 1910. Ideal soil, never cropped in trees. No finer apple trees to be had than we can grow. Write us promptly, as this advertisement will not appear again.

**Columbia Nurseries, P. B. Simmons, Prop.  
Gainesville, Ga.**

### WE OFFER

Carolina Poplar, California Privet,  
Box Elder, Catalpa Speciosa,

All one year old. For further particulars and  
prices address **C. M. REDMOND, Southwestern Nursery Co.,  
Gen'l Mgr.** Okema, Oklahoma.

### Chance to Buy Nursery Interest

A married man with capital, capable of growing Nursery Stock, can buy an interest in an old established nursery within 50 miles of Philadelphia, Pa. Must live at the nursery and take charge of the outside work.

A good chance to add an Ornamental Department for  
Philadelphia trade.

Address "C," care AMERICAN FRUITS.

### FRUIT, NUT AND ORNAMENTAL TREES

of the very highest quality,  
best adapted to

### The Southern States

**THE ARCADIA NURSERIES,  
MONTICELLO, FLORIDA**

Their Prices are Right and They Give You  
PERFECT SERVICE

100 M. California Privet, extra heavy  
plants, at bargain prices.

Insects have been rather numerous and aggressive this season, and the good nurserymen have been obliged to do some spraying and keep on the defensive all the time.

The past week has been cool, with some rain. The indications are for an early fall and we shall be able to take up our stock in this country about the middle of November.

Selling conditions have not been as favorable in the inter-mountain country this summer as in the past two years; due, perhaps, to a short fruit crop more than any-

The nurserymen in this country have a fair line of stock, consisting of the leading varieties and have no doubt about their being able to sell them for a fair price, one that will yield them a respectable profit; and for the benefit of our Eastern brothers, we might say, that any one who has good stock can sell it at a fair price and we do not believe that it is necessary for those who sell in this country to reduce their prices below a living profit. We would suggest that they sell at better prices and deliver the people better stock. We are looking forward to a good spring trade.

### ALGOA FRUIT AND NURSERY CO.

The Algoa Fruit and Nursery Co. has amended its charter to read "Algoa Fruit & Nursery Co." increasing the capital stock from \$15,000 to \$50,000, the increase all being purchased by four of the present stockholders. At the same time the company purchased 120 acres more land, which will give it 320 acres upon which to grow oranges, figs and ornamental stock. It is preparing to go into a larger nursery field. R. H. Bushway is the general manager. This company is the successor to Alvin Fruit and Nursery Co. Prof. R. B. Halley is president; T. W. Oliphant, secretary.

### Rochester Convention Views.

Photographs taken in the park during the Rochester Convention of the American Association can be obtained of American Fruits Publishing Co., at \$1.50 each. There are two views, 11 x 14 inches, mounted; one showing members of the Association in Rhododendron Valley, Highland Park; the other showing members seated on bank in group. Sent postpaid on receipt of price.

### STATE AND DISTRICT ASSOCIATIONS

**American Nurserymen's Protective Association**—President, J. W. Hill, Des Moines, Ia.; secretary, Thomas B. Meehan, Dresher, Pa. Meets annually in June.

**American Retail Nurserymen's Protective Association**—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.

**Association of Oklahoma Nurserymen**—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.

**Connecticut Nurserymen's Association**—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.

**Eastern Association of Nurserymen**—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.

**National Association of Retail Nurserymen**—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.

**Ohio Nurserymen's Association**—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.

**Pacific Coast Association of Nurserymen**—President, S. A. Miller, Milton, Ore.; secretary-treasurer, C. A. Tonnesson, Tacoma, Wash. Meets annually in June.

**Pennsylvania Nurserymen's Association**—President, Thos. B. Meehan, Dresher, Pa.; secretary, Earl Peters, Mt. Holley Springs, Pa.

**Southern Nurserymen's Association**—President, R. C. Berckmans, Augusta, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.

**Tennessee Nurserymen's Association**—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.

**Texas Nurserymen's Association**—President, J. R. Mayhew, Waxahachie, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.

**Western Association of Nurserymen**—President, E. P. Bernardin, Parson, Kan.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.



P. A. Dix.

thing else; but we anticipate a better movement during the late fall and winter months, after the people have harvested their crops and had more time to think of the orchard proposition.

Colorado trade has been very fair with good prospects, Idaho very discouraging. We attribute the conditions in Idaho largely to the fact that this state is suffering from land sharks and unscrupulous boomers. I am convinced that the greatest enemy to the orchard and nursery business, in any country, is the orchard boomer. He is the fellow that acquires land and plants it for the purpose of selling small tracts to honest and legitimate orchardists, or rather those who desire to get into the orchard business and who have not had experience. Right here is where the meanness of the proposition comes in. Such a speculator will buy trees wherever he can buy them the cheapest, will not pay for a good article. He buys without regard to location, soil conditions, varieties or with any conscientious scruples as to the ultimate outcome of the orchard. He sells his five-acre, ten-acre or twenty-acre tracts and is gone. The man who buys pays a good figure for his proposition, expecting, and no doubt has been advised, that the variety of trees that he has grown on his plat are the very best market varieties. He toils on for five or six years perhaps to learn that his orchard is practically worthless.

## Good Points for Nursery Salesmen

A SPECIAL despatch from Lynchburg, Va., to the Baltimore "Sun" says:

"An evidence of the immense profits from the fruit industry in Central Virginia is shown by the enormous prices being paid fruit growers this fall for their apple crops. The demand for Piedmont (Va.) apples to be better this year than ever before, and the prices are much higher at this time than several months ago, when sales were made somewhat in advance of the season.

"A Washington man who five months ago purchased a Bedford farm of nearly 400 acres from Mr. George E. Murrell has just sold the fruit crop from his farm at \$2,400. Thus he has nearly a 25 percent. profit from his investment in five months.

"McGregor Bros., of Afton, Nelson county have recently refused \$9,000 for their crop on the trees.

"The crop on the Boaz estate, near Covington, has been sold for \$20,000 in the orchard. This makes \$45,000 realized from fruit on this farm in six years.

"An Amherst farmer recently sold 500 barrels of apples at \$3.50 a barrel, the amount from this sale being more than his farm would have sold for before it was put in fruit trees only a few years ago."

### Kansas City Nurseries

GEO. H. JOHNSTON, Prop.

Successor to Blair & Kaufman

233-234 Rialto Building, Kansas City, Mo.

Offer for Fall 1909 and Spring 1910 large stock of Carolina Poplars, Catalpa Seedlings, Cal. Privet, Concord Grapes, Currants, Asparagus, and a full line of Ornamental Shrubs, Paeonies, etc.



### CATALPA SPECIOSA SEEDLINGS BLACK LOCUST SEEDLINGS

In large or small lots. Our Catalpa are all grown from seeds of our own gathering and we believe we have the best seed sown that can be procured, and you can depend on the true northern hardy kind.

J. A. GAGE, Fairbury, Neb.

### GLADIOLUS, LILIES, Delphinium formosum, German and Japan Iris, Summer Flowering Bulbs

E. S. MILLER, Wading River, L. I., N. Y.

### Fruit Crop Worth \$1,00,000

Rogue River Valley, Oregon, fruit growers will realize a return of \$1,000,000 for the crop of fruit that will be produced this year. The enormous amount of gold returning for the output of a year's produce is measured in this manner.

The first crop to receive attention is pears, of which there will be 305 carloads, which will easily sell for \$275,000. The next in order comes peaches, of which there will be 100 carloads, and on an average will bring \$960 a car and in the aggregate \$960,000. The last and largest harvest will be found in the apple crop, which is estimated to be 475 cars, and at \$1000 a car the income from this source will amount to \$475,000, giving a grand total of \$846,000.

These figures are based on commercial reports from various districts after a thorough canvas. Besides this amount coming from the Eastern buyers, there will be consumed at home, utilized by the canneries and shipments made by private persons in carload lots in sufficient amount to raise the figures to the million mark easily.

### American Pomological Society

Continued from page 93

Cold Storage Company, exhibit of package fruit.

This is but the briefest possible epitome of a few of the valuable papers which will appear in our proceedings now being prepared for the press. The report of Professor S. A. Beach, chairman of the General Fruit Committee, is full and even more interesting than usual. The entire report is invaluable to teachers of Pomology. We hope that all persons in arrears will forward dues to either secretary or treasurer promptly so that the report can be posted to the entire mailing list as soon as issued.

This year's fruit crop in Colorado totals in value the sum of four millions of dollars, breaking all prior records for fruit production in the state.

Three and a half acres of ground, covered by a single canvas tent, will be one of the novel means employed to house displays aggregating 2,000,000 specimens of the king of fruits, gathered together from the various districts in the United States and Canada, Europe and the Orient, at the second national apple show in Spokane, November 15 to 20.

### FOR SALE

Silver and Norway Maple, Carolina Poplar, American Arbor Vitae, and California Privet. Also, 10,000 1-year Apple, very fine. Would exchange for Feigley Tree Digger.

R. R. HARRIS, - Harrisville, W. Va.

### Nurseryman Wanted

March 1st—A man familiar with the growing of Ornamental Nursery Stock, for sub-foreman at one of our nursery farms. Must be a pusher and able to get the work out of help. State experience, salary expected and names of previous employers. Good chance for advancement to the right man.

JACKSON & PERKINS COMPANY

NEWARK, NEW YORK

### Refuses \$50,00 for Forty Acre Crop

It is declared that O. G. France, Wenatchee, Wash., who is preparing to market this season's apple crop from his forty-acre orchard will have 25,000 boxes of apples this season. He has refused \$2.10 a box for a portion of the crop.

### Largest Orange Orchard in Texas

George W. Dunah of Bloomington, Ill., who, with associates, has purchased 1,000 acres in the Caloma pasture, below Port Lavaca, Texas, and will start the largest orange orchard in Texas, is there to superintend operations incident to the great undertaking. The first lot of 6,000 orange trees has been purchased. 14,000 more are being negotiated for, and later further purchases will be made, until the entire tract is set out. The big grove will have a lake fed from Caloma Creek, and artesian wells, and will be subdivided by roads and avenues, and all that pertains to the project will be on an elaborate scale. A fund of \$100,000 is being held by the company.

I. G. Gore, Medford, Ore., secured eleven carloads of pears from a seven-acre orchard and sold them for \$11,132, or \$1500 per acre. Does it pay to plant fruit trees?

### APPLE SEEDLINGS

For fall delivery. Grown from native seed in Northern Vermont. Healthy and hardy. Write for prices.

FRED H. McFARLAND,  
HYDE PARK,  
VERMONT.

## Grape Vines A SPECIALTY

### T. S. Hubbard Company

FREDONIA, N. Y.

Established 43 Years

We offer for fall and spring trade a large and complete stock of one and two year old GRAPE VINES in strong grades for nurserymen and dealers' trade.

We also have an extra nice stock of one year CURRANTS.

Send us your want list for prices.

### Grape Roots That Grow

#### Increase in Acreage and Varieties

We make a specialty of growing Grape Roots. Making strong grades and prompt shipments. We have heavy stock for Nurserymen's retail trade. Light stock and cuttings for nursery row. Write for special prices. Correspondence and inspection of stock invited. We are growing a large lot of Currants and Gooseberries.

FOSTER & GRIFFITH, Fredonia, N. Y.

### BUDS

Apples, Apricots, Cherry, Peach, Pear and Plum—Write for List.

We will have our regular supply of Nursery Stock for Fall of 1909 and Spring of 1910. Trade List now ready.

John A. Cannery N. & O. Co., Carrollton, Ill.

## New Secretary of American Association

**G**EORGE C. SEAGER, for a long period the secretary of the American Association of Nurserymen, has resigned that office; and President Stannard of the Association has appointed John Hall, of Rochester, as secretary.



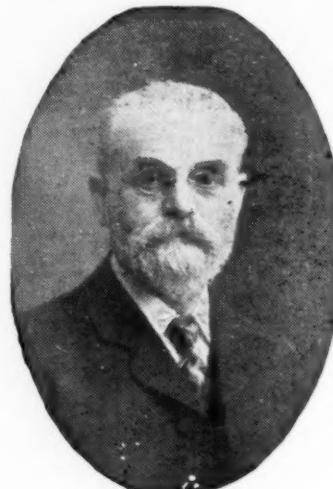
Geo. C. Seager.

At recent annual conventions of the Association Mr. Seager has expressed a desire to be relieved from the duties of the office, but so effective and conscientious has been his administration of its every detail that the officers, executive committee and leading members of

the Association have urged his reconsideration of any intention to withdraw. It has been only at such urgent requests that Mr. Seager has consented to continue the work of secretary. He would certainly have withdrawn at the last annual meeting, held in Rochester, had it not have been in the direct interest of the Association that he continue, at least for a time.

The recent death of Edwin J. Seager, brother of the secretary, had much to do with the latter's final determination; for the brother had been practically the secretary for some time, attending to most of the duties of the office. This arrangement arose as the result of ill health on the part of the secretary.

Mr. George C. Seager has been secretary of the Association since the annual convention at Chicago in 1893—a period of sixteen years. His work and his personality have proved him to be a model secretary for any association, and particularly for the Ameri-



John Hall.

can Association of Nurserymen which has benefited many times from his ability as editor and business man. Indeed, the Association has had the benefit of the combined experience and effort of the Brothers Seager for many years.

Every member of the Association will heartily endorse the sentiment of the editor of AMERICAN FRUITS, that the Association has been particularly fortunate in having for so long a time the services of thoroughly reliable, capable and loyal gentlemen as the Messrs. Seager. We know that we voice the appreciation of the entire Association.

Mr. Hall is another conscientious, able and experienced gentleman, thoroughly fitted for the duties to which he has been appointed, and which he has accepted. He has been the secretary of the Western New York Horticultural Society since 1888, succeeding P. C. Reynolds. This is one of the largest, oldest and most prominent of the horticultural societies of the country. Its annual proceedings are of the greatest value to Horticulture and the manner in which these proceedings have been edited and published by Mr. Hall has been highly commended not only by the members of the Society but by those of other societies.

For fifteen years Mr. Hall was with James Vick's Sons. He has been for years in touch with horticultural and nursery matters of the entire country and has many personal friends among the members of the American Association of Nurserymen. He has lived in Rochester since 1874. He was born in a horticultural and agricultural section of England, the town of Derby in Derbyshire. His annual and other reports are made the more valuable by reason of his knowledge and practice of stenography and his experience as an editor. Whatever he does is done thoroughly and to a marked degree of perfection. The Association is to be congratulated upon securing so worthy a successor for the important office of secretary.

### Apple Trees on Contract

LET US CONTRACT to grow your apple trees. We can grow from 10,000 to 200,000 trees, whole root, graft apples, for delivery Fall of 1910 or 1911.

Our soil is ideal soil for growing apples. No better anywhere. No finer trees to be grown than we grow. Write us for prices and contract. Write us for wholesale list.

WANTED.—A competent foreman who understands the growing and handling of nursery stock.

Address,

**PORTLAND NURSERY CO.,**

PORLAND, IND.

**HONEST!** Have you conquered the SAN JOSE SCALE?

B. G. PRATT COMPANY, 50 CHURCH ST., N. Y.

Will guarantee that it can be none with

### “SCALECIDE”

for less money, with less labor and more effectively than with Lime-Sulphur or anything else.

Prices: In barrels and half-barrels, 50c. per gallon; 10 gal. cans, \$6.00; 5 gal. cans, \$3.25; 1 gal. cans, \$1.00. If you want cheap oils, our “CARBOLEINE” at 30c. per gallon is the equal of ANYTHING ELSE. Send today for free Booklet, “Orchard Insurance.”

### EVERGREENS

LARGE STOCK BOTH SEEDLINGS AND TRANSPLANTS OF

SPRUCE  
PINES  
FIRS  
CEDARS

ARBOR VITAE  
HEMLOCKS  
JUNIPERS  
YEWS

### FOREST TREE SEEDLINGS

IMMENSE STOCK OF SEEDLINGS, AS FOLLOWS:

CATALPA SPECIOSA	HICKORY
BLACK LOCUST	WALNUT
MAPLES	ELM
OAKS	BOX ELDER
LINDENS	BIRCH
BEECH	EUROP. LARCH
CHESTNUT	WILD BLACK CHERRY
ASH	

ADVANCE PRICE LIST OF EVERGREEN & FOREST TREE SEEDLINGS NOW READY.

**D. HILL**

EVERGREEN SPECIALIST

DUNDEE,

ILLINOIS



THIS illustration shows the largest and finest block of California Privet in America—it gives an idea of our enormous acreage of Nursery stock of all kinds, and shows the vigor and thrift of the individual species of Privet. Privet has been a specialty with us for many years and we take unusual pains to produce nothing but the best. We offer one-, two-, and three-year plants, and believe our stock to contain the largest and most complete assortment of sizes offered anywhere in America.

You cannot help noticing the bushy, thick growth of the Privet as illustrated above. The two- and three-year old plants were cut back to within three inches of the ground and this produced an abundant of sprouts; in many cases each specimen having from twelve to fifteen branches.

We cultivate our blocks of Privet with the greatest care and at the beginning of winter take them up with a digger which lifts them gently without bruising or damaging the roots. These methods will appeal alike to you and to your customers, for they insure Privet Hedge Plants that are well-nigh perfect in every respect.

## We Grow California Privet by the Square Mile— You Can Sell It by the Running Mile—

There's no question about Harrison's California Privet pleasing the most critical of your customers; our splendid facilities for producing it guarantee first-class stock.

As a hedge plant, Privet is coming more and more into favor, and the demand is constantly growing. You are frequently asked to supply this popular shrub, and the call is bound to come more and more often, for the odds are in favor of the "live fence," and people who have already set it out are making additional plantings.

You cannot possibly produce better California Privet than Harrison's; very few Nurseries have the facilities for growing it nearly as well as we do. Our prices are so low that you cannot afford to go elsewhere. Let us submit estimates covering your specifications on Privet, or anything else in the Fruit or Ornamental line. Look for our regular advertisement on the last page of this magazine.

**J. G. HARRISON & SONS, BERLIN, MD.**



View from photo 126E5—Privet Hedge.

This page was awarded Messrs. J. G. Harrison & Sons by the Publishers of "American Fruits" for the Best Exhibit of Nursery Stock at the Rochester Meeting, June, 1909.

# CURRANTS PLUMS SEEDLINGS

Soft Maple--Box Elder--Elm

An Exceptionally Fine  
Stock for Fall 1909--  
Spring 1910 shipment

The Jewell Nursery Co.

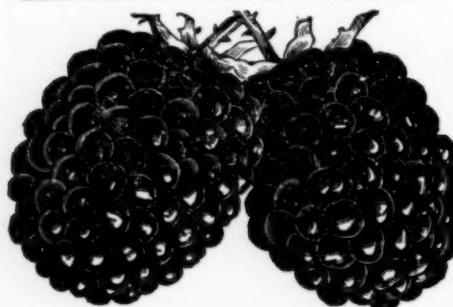
Lake City, Minn.

Established 1868. 1200 Acres

## Whiting Nursery Co.

A general stock of *hardy Northwestern Varieties* that will succeed anywhere. It will pay you to get my *Free Descriptive Catalogue*. It is accurate, concise and original, and based upon 25 years' experience in South Dakota. The best of its kind in the Northwest to-day.

**WHITING NURSERY CO.**  
Lock Box 1108. Yankton, S. Dak.



**EVERYTHING IN SMALL FRUIT PLANTS**

ASK FOR PRICE LIST

**W. N. Scarff,** New Carlisle, O.

## KNOX NURSERIES

### Cherry Trees

1 and 2 years old.

The best the market affords.

**H. M. SIMPSON & SONS**

VINCENNES, IND.

## Activity In Michigan Nurseries

By Charles A. Ilgenfritz, Monroe, Mich.

### NATIONAL NUT GROWERS ASSOCIATION.

There is unusual demand this year for the coming season's planting in Michigan of apple, cherry and small fruits.

Peach demand is steady and of the best quality of trees. In sections of this state there is return to the planting of large orchards.

The West and Northwest are coming to Michigan for stock that the home trade makes almost impossible to furnish.

### Noted Bachelor Rose Grower

"I am in a dozen different kinds of business in Dallas; railroading, banking, real estate, cattle raising, oil, cotton raising, etc. I even raise flowers. My greenhouse is the largest in America, with one exception, and it is my most profitable investment. Last year I sold \$160,000 worth of American Beauty roses alone. And that was the wholesale selling price, not what you have to pay for them here in New York," said Edward H. R. Green, of the Green Floral & Nursery Co., Dallas, Texas, in the course of a recent interview with the representative of the New York World. "I have my finger in almost every corporation and commercial enterprise in southwestern Texas. I have to make money."

"Since it has become known that I'm looking for an aeroplane I have received several hundred letters from cranks who want to sell or build me one. If they think I'm going to read their foolish letters they're mightily mistaken. Why, I found 207 letters from cranks when I got back at the hotel tonight. Into the waste basket they went. Probably there were some proposals of marriage in the bunch. Last year when I was here I had three proposals. You see, everybody knows I'm a bachelor. And I'm proud of it. In Oklahoma they tax bachelors. They don't in Texas and never will. There's no reason why a bachelor should be taxed. He should be honored by his state for being free."

### Importers' Protective Association

A regular meeting of the New York Horticultural Importers Protective Association was held October 7th at the Astor House, New York, a full attendance being present.

This organization was formed about two years ago, primarily for the purpose of regulating credits of buyers of plants, seeds, bulbs etc. It includes practically all of the large wholesale importers and agents.

J. McHutchison,  
New York, Oct. 11, 09.

Hood River and Mosier's, (Oregon) apple crop of 1909 has been sold to Steinhart & Kelley, of New York city, at considerably above \$2.50 a box, the highest price paid last year. The yield amounts to about 150 car-loads, or 15,050 boxes, and the sum paid the growers between \$225,000 and \$250,000. The sale was made on the basis of free on board the cars at the nearest stations.

### NATIONAL NUT GROWERS ASSOCIATION.

The eighth annual convention of the National Nut Growers' Association, just held at Albany, Ga., was one of the largest and most successful in the history of the organization. The membership roll was increased fully 30 per cent., and the financial condition will permit the publication of the proceedings without delay. Many papers were read and the discussions proved interesting and instructive. Reports and data gathered, show a rapid increase in the planting of commercial orchards, and much public interest in the industry.

One entire day was devoted to visiting the large orchards and nurseries in the vicinity of Albany; a special train having been furnished for the occasion. Reports from most of the pecan sections promise a fair crop this season, while the demand for nuts, especially the fine varieties, is far beyond the present supply. The following officers were elected: President, J. B. Wight, Cairo, Ga.; first vice-president, J. B. Curtis, Orange Heights, Fla.; second vice-president, H. C. White, De Witt, Ga.; secretary, J. F. Wilson, Poulan, Ga.; treasurer, M. B. McNeeley, Little Rock, Ark.

The American Nursery Co. has acquired the business, good will, real estate and all other property of the F. & F. Nurseries, Springfield, N. J., the Bloodgood Nurseries, Flushing, N. Y., and the New Jersey and Long Island Nurseries. These will be conducted as branches of the company whose sales department is at 150 Broadway, New York. The officers of the company are F. W. Kelsey, president; Wm. Flemer, vice-president and treasurer; Theodore Foulk, vice-president, and P. H. Goodsell, secretary.

### Oregon State Horticultural Society

Editor AMERICAN FRUITS:

Our Annual meeting will be held December 7, 8, 9 at Portland, Oregon. Along with our programme we always have a large exhibit of apples and other fruit.

Through settlement of the Hoskin will matter we have recently received about \$2500 cash which is of great use to the society. We have also recently incorporated and have fixed life membership at \$10. Annual dues for annual members \$1; a copy of the proceedings being sent to each member.

Frank Power, Secretary.  
Portland, Ore., Oct. 6, 09.

Levavasseur & Sons, Ussy and Orleans, France, have issued a wholesale catalogue of plants grown by them. In the 90 pages of listed varieties is found a great range to select from. Special attention is directed to the three newest creations in roses: Rose Orleans, (gold medal, June, 1909), carmine, center white; Mistress Taft (certificate of merit, London, 1908), Improved Baby Rambler; Joan of Arc, pure milk white. The catalogue has a supplement of 14 pages describing novelties. August Rolker & Sons, 31 Barclay street, New York city, are American agents for the Messrs. Levavasseur.

Charles J. Brown, of Brown Brothers Company, Rochester, N. Y., has been appointed landscape architect of the New York State Railway. Mr. Brown will have charge of General Manager Cook's ideas for beautifying rights of way and parking grounds around stations and sub-stations. Improvements will be made to the summer resorts in the company's control, including Sea Breeze and Glen Haven..

## Selection of Fruit for Exhibits

THE TIME for the State and County fairs is at hand, and the growers are seeking knowledge on exhibits. Every year the interest in fruit shows increases and the competition grows keener and keener. The grower feels that he must carefully select his fruit if it wins highest award. A few suggestions relative to the selection and preparation of fruit for the exhibits may be helpful at this time.

### WHAT CONSTITUTES FIRST CLASS SPECIMEN

First class fruit for exhibit purposes consists of large specimens typical in shape and color, uniform in size, and free from all blemishes. The specimens should be large but not abnormally so. It is usual for the exhibitors to select the largest specimens he can find regardless of the shape and type. This is a serious mistake since these specimens are enormous because of abnormal development, and, consequently, cannot possess the typical characters of the varieties. A specimen should be large but should still possess the typical character.

It is desirable to know the original types of the different varieties. For example, there are different forms of the Baldwin apple. There is the oblong form, possessing high color, with short stem. Similarly differences are observed in size and marking. This is true not only of the Baldwin, but to a greater or less degree, of the other varieties of fruit. It is important that the grower know and select that type of the variety which most nearly resemble the original.

### As To HIGHLY COLORED FRUIT.

Every specimen for the exhibit should be free from all blemishes. There should be no fungous spots or insect injuries. A word of caution in regard to highly colored immature fruit may be helpful here. At fair time apples particularly are not fully developed and effort is made to find the highest colored specimen. Such specimen often contain a worm, although no indication of its presence is visible on the outside, and, a few days later, when the apple is on the exhibit table, the worm crawls out.

The fruit should be picked so careful that no bruise will show. Care in picking, handling and packing can not be emphasized too strongly. A small bruise may not be noticed at the time of packing but will show plainly a few days later. Many a plate of fine fruit has failed to win first prize because of bruises.

### FRUIT SHOULD NOT BE POLISHED.

Fruit for the exhibit should never be polished. It is the belief that a polished specimen is much more attractive. To the casual observer this may be true but to the grower such is not the case. Every fruit is covered with a light bloom which is just as much a part of that fruit as is the color or any other character. Polishing removes that bloom and detracts just so much

from the appearance. Judges usually discount for polished fruit.

### NUMBER OF SPECIMENS.

The various associations differ as to the number of specimens required for a single plate. The Horticultural Societies and the large State Fair Associations however, are agreed and these regulations should be made general. They require for apples, pears and peaches, five specimens to a plate. For plums, the bottom of a six inch plate covered. For grapes, three bunches to a plate.

### PACKING.

The fruit should be packed carefully so that it will not bruise in transportation. An excellent method is to put the five specimens for a single plate and the variety label in a Manilla sack. It is not necessary to wrap the individual specimens, although this is sometimes done with the tender fruits, and where great care must be taken to prevent bruises. The sacks containing the varieties are packed firmly in barrels of packages, which are well lined with cushions of paper or other flexible material.

### HOW FRUIT IS JUDGED.

Until recently no systematic methods of judging has been followed. The judge would carefully examine the different competing plates and then award the prizes, basing the decision on his own opinion of the points of merit. These decisions were unsatisfactory to the exhibitor. An effort to secure uniformity in the work resulted in the selection of important characters to which relative values were assigned. Although these characters and values may vary slightly in the case of different associations they may be of some help to the exhibitor in selecting his fruit.

These characters and values are as follows:

Form .....	15	15	10
Size .....	10	10	15
Color .....	20	15	15
Uniformity .....	20	20	20
Quality .....	15	20	20
Freedom from Blemish...	20	20	20
	100	100	100

## CHERRY TREES

An especially fine lot of one and two-year Cherry, on which we can make attractive prices. They are especially well rooted, with clean, vigorous, well branched tops. Also,

### CALIFORNIA PRIVET

### KEIFFER PEARS

### BUDDED AND SEEDLING PECANS

### SATSUMA ORANGES

### CAROLINA POPLAR

Write for prices.

Tennessee Wholesale Nurseries, Inc.,

(Successors to J. C. Hale)

WINCHESTER, TENN.

AUBREY FRINK, Manager.

—Of All Kinds for—

NURSERYMEN AND FLORISTS

The Benjamin Chase Co., 11 Mill St., Derry, N. H.

J. H.  
SKINNER  
& CO.

Fruit, Shade and Ornamental  
Trees, Flowering Shrubs,  
Apple and Pear Seedlings,  
Forest Tree Seedlings

Sta. "A"  
TOPEKA  
KAN.

CHARLES DETRICHÉ, SR.,  
ANGERS, — FRANCE,

Grower and Exporter of

Fruit Tree Stocks, Forest Tree Seedlings,  
Rose Stocks, Shrubs, Vines and Con-  
ifers for Nursery Planting

A New Price List for 1909-10 has just been pre-  
pared and copies or other information may be had  
on application to Mr. Detriché's sole representative  
for the United States and Canada:

JACKSON & PERKINS CO.  
Newark, New York.

## FOR SALE

A nursery business located in the Middle West; fifteen miles from one of the most progressive cities in the country; in the heart of a rich agricultural section.

The location of the packing grounds is conceded to be the best in the state, being bordered on two sides by two large systems of railroad which afford unexcelled shipping facilities. The packing sheds, cellar, office building, water supply, etc., are in good repair and are well located.

The firm is an old-established one and is well and favorably known throughout the Middle West. The business can be bought at a great bargain. Best of reasons for selling.

Nurseries wishing to establish a branch in the Middle West, or parties who desire to enter into the business, should investigate this proposition.

For particulars, write

"NURSERY SALE,"

Care of American Fruits Pub'g Co.,  
ROCHESTER, N. Y.

An opportunity is afforded in another col-  
umn to secure an interest in a nursery in  
New Jersey within a short distance of Phil-  
adelphie, suitable for the production of both  
fruit and ornamental stock.

## Growing Healthy Apple and Peach Trees

By Fred W. Mally, Garrison, Texas

**T**HIS problem from the beginning involves the question of the age and length of time any given block of nursery stock is to be permitted to remain on the land. Force budded peach, or plum, upon peach roots, may show but slightly, any traces of soil infection with either nematode or crown gall, and yet the soil they are on be wholly unsafe for another year's growth.

The greatest care should be exercised in selecting the soils and location for the propagation of peach and apple stock in nursery rows. Surface indications alone are neither safe nor sufficient.

The subsoil may be cold and wet and be entirely unsuited for the healthy growth of peach and apple tree roots. The soil should be deep and well drained. It should be porous and yet not coarse. Lands on which there has been much red oak, black jack oak or scrub oak, are very dangerous for use as nursery lands. Usually a considerable per cent. of crown gall develops on these soils. Cold natured or moist land, or land underlaid with a joint clay is very dangerous from the standpoint of the two great enemies to apple and peach roots, namely, hairy root on the apple and nematode on the peach.

The land on which it is proposed to grow peach trees should be sown down thickly with a crop of cow peas the season previous to use for such purpose. The cow pea crop should be carefully examined for traces of nematode on the roots, and if the slightest trace of infestation with eel worm is found, the infested spots can be isolated and discarded. If the land is well drained and has a porous subsoil it is reasonably safe from producing crown gall, and my suggestion is to use land 3 or 4 years under cultivation.

Some nurserymen have been using piece root peach roots for propagating plums by grafting. My experience as an inspector or nurseries in this states leads me to condemn this method. I have found piece root grafting of the plum on peach roots very dangerous with reference to the development of crown gall unless the ground is especially suited for the formation of a normal, healthy callous at the splice of the graft. I have seen so much disappointment result from propagating the plums on peach root by grafting that I feel personally that our nurserymen should be urged to refrain from using them. Whenever the point of union of the graft is so near the surface that the changes of heat and cold quickly reach the splice, there is great danger of forming fibrous or hairy roots through a proliferation of the callous. It is an open question as to what is the best length for root and scion under Texas conditions of soil and temperature and moisture. If I were compelled to grow apples from grafts I would prefer whole roots with at least a six to eight inch length of scion and then planted deeply. Of course, the soil must be deep and well drained, warm and porous. By this method there results but little loss from having hairy root or crown gall, and hence unsalable trees.

However, personally I would not undertake to grow apple grafts at all. I would buy or grow apple seedlings, line them out and grow them in nursery rows one season, and late in the season these should be dormant budded. I have abandoned the propagation of the apple in Texas except by budding.

I have studied the behavior of apple seedlings a great deal in recent years and I have found that small seedling apples

will frequently produce fibrous root or whiskers close to the surface of the ground, even before the seedlings were well started in their growth after being lined out. From further careful studies of this problem I have concluded so far as I am personally concerned, that I would not feel sure of freedom from "whiskers" on apple roots unless apple seedlings are severely culled at digging time. In fact, I prefer an inspection of seedlings in nursery rows and culling the weak ones before digging time. It is important that a study should be made of the various kinds and strains of apple seedlings being grown by the wholesalers and offered our Texas nurserymen. The greatest care should be exercised in this regard with a view of selecting and we should encourage the study and breeding of a type of apple seedling which would resist the tendency to produce fibrous or hairy root under the influence of climatic and soil conditions in Texas. Along this line I also wish to note that frequently a seedling peach tree is found in a nursery row, right in the worst infested spots containing the eel worm, or nematode parasite, and yet be entirely free from galls. Hundreds of other seedlings on either side of it may be totally ruined with the infestations, and yet it is clear such seedling peach trees should be saved to horticulture and planted out for raising peach seed.

This peach seed should be planted separately in spots known to be badly infested with the nematode pest. At digging time all seedlings showing attack from eel worm should be discarded and only those which resisted the attack should be planted for the second generation of seedlings. Our only hope—so far as I can see now—to

Continued on page 105



**Nursery Pruner No. N.** Cut is exact size. Blade is hand forged and warranted. No shoddy here. Sample by mail 50c. Grafting Knife by mail, 25c. Nursery Budding Knives, 25c. Pocket Budding Knife 35c. All Steel Pruning Shears, California pattern, postpaid \$1.00. **Maher & Grosh Co., 92 A Street, TOLEDO, OHIO**

### Forest Tree Seedlings by the Millions

SPECIOSA CATALPA

BLACK LOCUST

RUSSIAN MULBERRY

HONEY LOCUST

OSAGE HEDGE

JAPAN PEAR STOCK and RUSSIAN OLIVE  
Shade trees in carload lots of Ash, Box Elder, Black Locust, Catalpa Speciosa, American White Elm, Soft or Silver Maple.

**The WINFIELD NURSERY CO., Inc.**

Park Street, WINFIELD, KANS.

J. MONCRIEF, Pres.

Selected Seed  
Guaranteed pure  
Our specialty for past ten years.  
In carload lots. Very fine.  
Our Wellington plant devoted  
almost exclusively to forest tree  
seedlings.

R. I. LEMON, Secy.-Treas.

### F. H. STANNARD & CO. The Ottawa Star Nurseries

Ottawa, Kansas

APPLE TREES—Assorted, all grades

CHERRY TREES—Assorted, all grades

PEAR TREES—Assorted, all grades

GRAPE VINES—Assorted

A Large and Complete Assortment of Shade Trees

**Apple and Forest Tree Seedlings**

We call special attention to our

**CATALPA SPECIOSA SEEDLINGS**

## Plans for Thirteenth Census

Forty-five thousand enumerators out of the estimated grand total of 65,000, will be engaged April 15th next in gathering the required information concerning agriculture for the Thirteenth Decennial U. S. Census. Director Durand purposes making every effort to secure progressive farmers and crop reporters for these places. His action is based upon the recommendations of Chief Statistician LeGrand Powers and the advisory board of special agents composed of professors of economics and farm experts who have been assisting in the formulation of the schedule of inquiries concerning farm operations and equipment. It is believed that the selection of this class of men, already familiar with statistical methods of securing data and reporting it in comprehensible form, will add greatly to the efficiency of the census and to the scientific value of the information obtained. Director Durand does not anticipate any difficulty in procuring enumerators of this kind as there are in every state of the Union hundreds of crop reporters acting for the Department of Agriculture, representatives of State Boards of Agriculture, etc.

The Agricultural schedule which is to be placed in the hands of these enumerators is nearing completion by the Census Bureau. The advisory board who are acquainted with practical agriculture, its varying conditions, and who are active in their respective states in assisting the farmers to improve their farm methods,

have been most earnest and no effort is being spared to make the schedule as simple as possible, and yet secure the greatest amount of important information concerning agriculture.

By means of the Census schedule an effort will be made to secure an accurate statement of the total number of acres of land in the farms of the country, by states and counties; also the improved area, number, and size of farms. On account of the growing importance of tenancy in many parts of the country, considerable information will be secured as to whether farms are operated by owners, tenants or hired managers. Information about the value of farm buildings, and other permanent improvements; and of the farm equipment, both machinery, implements, and live stock, will be secured.

An important part of the schedule will be that enabling a study of the crops and crop-products of 1909. The enumerators will ask about areas, quantities produced, and value of crops, in the case of all the principal crops grown in all parts of the United States. This inquiry covers grains and seeds, hay and forage crops; and all important special crops such as fruits nuts and vegetables; cotton, tobacco, rice; hemp; potatoes broomcorn; etc. By-products, like flax straw for tow and twine; and such manufactured products as wines, cider and vinegar, dried fruits, sugar, syrup, etc., will not be overlooked by the questions in the schedule.

### Growing Healthy Apple and Peach Trees

Continued from page 104  
grow peach trees successfully in soils so likely to be infested with eel worm is to breed up and select a type of resistant seedling peach roots. We have as much hope to succeed in this as did those who have us the resistant "Iron" cow pea.

My suggestion as to how to grow healthy peach trees involves fundamental principles and suggests much work for the plant breeder and experiment station worker. The Texas nurseryman can never proceed with safety and certainly in the propagation of peach trees until a rare of seedling peach stocks has been developed which will resist both nematode and crown gall attacks.

#### LEADS ALL THE WAY.

All the way AMERICAN FRUITS leads in originating ideas for advancing the Nursery Trade. Look over its files for the last five years and then see how others have copied ideas which have been advanced and successfully executed by this magazine.

The pace is set in every issue. Others are following closely after. The compliment is pronounced. AMERICAN FRUITS here-with expresses its appreciation.

"A live wire puts energy into 'em all."  
Watch the next turn!

"No nurseryman can live to himself alone. Anything that hurts one firm, hurts all; any method adopted by one or more that elevates the business and standing of one firm elevates them all."—J. H. Dayton.

**DON'T**

**FORGET**

**IT!**

We can supply your wants in

**CHERRY**  
1 and 2 yrs.

**PEACH**  
1 yr.

**STANDARD PEAR**  
2 yrs.

**SHRUBS**

**AMPELOPSIS**  
2 yrs.

**NORWAY SPRUCE**

**CAROLINA POPLAR**  
1 and 2 yrs.

A full line in addition to above

**D A V E N P O R T**

**Nursery**

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1858  
ESTABLISHED  
1858

### The Best Tree Digger on Earth



Write for Descriptive Circular and Prices to

**STARK BROS.**  
**NURSERIES & ORCHARDS COMPANY**  
LOUISIANA, MO

# American Fruits Monthly Guide for Nurserymen

CARDS like the ones printed on this page will cost Five Dollars a year, half to be paid upon the first insertion and half at the end of six months. Advertisers whose bills amount to forty dollars or more a year may have card without additional charge. Advertisers and others who wish cards must prepare copy for the same, space not to exceed one-half inch. As an inducement for sending in correct information for the next pocket directory a card will be printed on this page one time without charge. Corrections received after 10th of the month will be noted in the following issue.

## ALABAMA.

CHASE NURSERY CO., HUNTINGVILLE—Wholesale growers. STRICTLY WHOLESALE.

## COLORADO.

NORTHERN NURSERY CO., C. G. FERGUSON, PREST., A. M. FERGUSON, SECY. AND TREAS., DENVER, COLO.—Growers of general nursery stock.

## GEORGIA.

P. J. BERCKMANS COMPANY, FRUITLAND NURSERIES, AUGUSTA GO.—General nursery stock. Large variety of both fruit and ornamental. Established 1856.

## ILLINOIS.

ARTHUR BRYANT & SON, PRINCETON—Grower of nursery stock. Grows standard fruit trees, small fruits, strawberry plants, ornamentals and shade trees. Employs agents. Issues catalogues. Evergreens, ornamental trees and shrubs and peonies are specialties.

## INDIANA.

C. M. HOBBS & SONS, BRIDGEPORT—We will be headquarters for fall of 1909 for apple and other stock, both fruit and ornamental. Catalogue. CATALPA SPECIOSA PURE.

W. C. REED, VINCENNES—Cherry trees, one and two year. General line of other stock.

J. K. HENBY & SON, GREENFIELD—We offer a complete assortment of General Nursery stock; expect to have over three million Catalpa Speciosa pure, also 1,000 lbs Catalpa Speciosa seed, pure, for fall of 1909.

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DAVENPORT NURSERY CO., DAVENPORT—Growers and dealers. Standard fruit trees, dwarf fruit trees, small fruits, strawberry plants, ornamentals and shade trees. Employ agents. Issue catalogues.

## KANSAS.

THE WINFIELD NURSERY CO., WINFIELD—Growers and dealers. Standard fruit trees, dwarf fruit trees, small fruits, ornamentals, shade trees. Issues catalogues.

F. H. STANNARD, OTTAWA, KAN.—Growers and dealers in a choice line of fruit and ornamental stock. Apple and forest tree seedlings a specialty. Catalpa Speciosa seedlings.

## MARYLAND.

J. G. HARRISON & SONS, BERLIN—All kinds of nursery stock in large quantity and high quality. Catalogs and price lists. Watch our list printed each month in American Fruits.

J. W. JONES & SON, ALLEN, MD.—Growers of Strawberry Plants. Catalogue mailed free.

## MICHIGAN.

I. E. ILGENFRITZ'S SONS CO., MONROE—Growers and dealers. Standard fruit trees, dwarf fruit trees, small fruits, ornamentals, shade trees. Employ agents, issue catalogues.

## MINNESOTA.

THE JEWELL NURSERY CO., LAKE CITY—Established in 1868. 1,200 acres, all at Lake City. Wholesale and retail. Largest growers of hardy stock in the United States.

THE MUTUAL NURSERIES, CHARLES A. ILGENFRITZ, MONROE, MICH.—Growers and dealers in high grade nursery stock.

## NEBRASKA.

FREMONT NURSERIES, B. E. FIELDS & SON, PROPRIETORS, FREMONT, NEB.—Growers and dealers in all kinds of fruit, ornamental and shade trees. Grape vines, small fruits, roses, shrubbery and all kinds of forest tree seedlings. Lowest prices consistent with quality.

MARSHALL BROTHERS, ARLINGTON, NEB.—Growers and propagators of a complete line of nursery stock. Also Fruit Farm.

## NEW YORK.

THE VAN DUSEN NURSERIES, W. L. MCKAY, PROPRIETOR, GENEVA—Grower of fruit trees, small fruits, ornamental stock. PEACH TREES, constant renewal of buds from tested bearing trees. Issues catalogue.

W. & T. SMITH CO., GENEVA—Highest grade stock of fruit and ornamental trees, shrubs, roses, evergreens, vines, etc. Catalogs. LOWEST PRICES CONSISTENT WITH QUALITY.

ELLWANGER & BARRY, ROCHESTER—Fruit and ornamental trees, shrubs, evergreens, roses, hardy plants. Catalog on request. LARGEST AND MOST VARIED COLLECTIONS IN AMERICA.

JACKSON & PERKINS COMPANY, NEWARK—Ornamentals, roses, clematis, tree hydrangeas, perennials, etc. Agents for foreign

houses selling French fruit tree seedlings, Belgian Azaleas, exotic plants, etc. WHOLE-SALE ONLY.

GEORGE E. DICKINSON, 1 Broadway, NEW YORK CITY—Dealer in nursery stock. Importers of nursery stock and ornamentals. Agent in U. S. for E. T. DICKINSON, Chatenay, Seine, France.

P. OUWERKERK, HOBOKEN, N. J.—Clematis, roses, rhododendrons, azaleas, peonies, magnolias, conifers are specialties. Plants on hand in season. Shrubs and bulbs, all kinds from our Holland nurseries.

## OHIO.

STORRS & HARRISON CO., PAINESVILLE—Growers of everything that makes a complete nursery. Issues catalogues and price lists. Wholesale and retail. Specialists in whatever we propagate.

THE L. GREEN & SON CO., PERRY, LAKE COUNTY—A general line of all kinds of nursery stock. Heavy on Pear, Plum, Cherry and Peach for Fall.

HENRY KOHANKIE & SON—ORNAMENTAL NURSERIES, PAINESVILLE, O.—Growing ornamental nursery stock is our business. Issue catalogue and price list. Wholesale and retail.

## OREGON.

MILTON NURSERIES, A. MILLER & SONS, MILTON, ORE.—Growers and wholesale and retail dealers in general nursery stock. Choice varieties and genuineness, a specialty.

## TEXAS.

ALGOA FRUIT & NURSERY CO., ALGOA, TEXAS—Southern Specialists in oranges and other citrus fruits. Magnolia Figs, Magnolia Grandiflora, Jasmine, Arbor Vitae and hardy ornamentals. Wholesale and retail.

## UTAH.

DAVIS COUNTY NURSERIES, HARNESS, DIX & CO., PROPRIETORS, ROY, UTAH—Growers and dealers in a general line of nursery stock.

## WASHINGTON.

OKANOGAN NURSERIES, JACK EVANS, Prop., OMAK, WASH.—Grower and dealer in general nursery stock. Employ agents in Washington State only. Specialty: Rare Japanese plants.

THE COE CONVERSE & EDWARDS CO., FORT ATKINSON, WIS.—Growers of Choice, hardy nursery stock. Established 1875. Incorporated 1902.

# WOOD

We Make Wood Labels of  
Every Variety  
For Nurserymen  
and Florists

Made from the best white pine obtainable, smooth and perfectly wired. Facilities for prompt and efficient service, together with the quality of our product are unsurpassed. Samples and prices are at the command of a communication from you.

**Dayton Fruit Tree  
Label Co.**

South Canal St.

DAYTON, OHIO

**L A B E L S**

**ORNAMENTAL NURSERIES**  
**Henry Kohankie & Son, Painesville, Ohio.**

## Heikes-Huntsville-Trees

HUNTSVILLE WHOLESALE NURSERIES



Huntsville, Ala.

For the Fall of 1909 and Spring of 1910  
We Offer

Pears, Plums, Cherries, Peaches,  
Roses, Pecans, Japanese Persimmons  
and Magnolia Grandifolia

In Large Quantities as Usual

See Our Price List for Particulars.

Address, W. F. HEIKES, Mgr., Huntsville, Ala.

## Vincennes Nurseries

W. C. REED, Prop.

VINCENNES, IND.

Offer for Fall 1909

### CHERRY TREES

Two Year in Car Lots

### CHERRY TREES

One Year in Car Lots

Cherry Buds to Offer in Season in Any Quantity

ALSO GENERAL LINE OF OTHER NURSERY STOCK

## Fruit Tree Stocks

BOTH AMERICAN AND FRENCH GROWN

The American are very promising at the present time.

The French are being grown in France on contract expressly for us, and the grading, packing and shipping is looked after by our representative there.

Apple Seedlings—Prices are advancing. Some grades sold closely.

Immense Stock of Grapes—Long on Concords, 1 year, No. 1; also other Leading Varieties.

Currants and Gooseberries—Fine, well-rooted plants.

Forest Tree Seedlings—Complete Assortment.  
Large General Stock. Send List for Prices

### The Shenandoah Nurseries

D. S. LAKE, Proprietor.

Shenandoah, Iowa

## French Nursery Stocks

Fruit Tree Seedlings and Ornamentals

Pear, Apple, Plum and Cherry and Angers Quince Cuttings grown for the American trade. Pear and Crab Apple Seeds. Most complete assortment of Ornamental Stocks, Trees and Shrubs. Dutch bulbs—Gladioli. Orders solicited and booked now at low rates.

E. T. DICKINSON, Chatenay, Seine, France

GEO. E. DICKINSON, 1 Broadway, New York

Just say you saw it in *American Fruits*.

## YOUNGERS & CO., GENEVA, NEB.

### APPLE TREES,

Shade and Ornamental Trees,

Russian Golden Willow

### SEEDLINGS

Catalpa Speciosa, Honey Locust, Osage Orange

Flowering Shrubs and Evergreens

Write for Prices.

THE

## L. Green & Son Co.

Perry, Lake Co., Ohio

### SPECIALTIES FOR FALL 1909

A very choice lot of 2-yr. Standard and Dwarf Pear, Plum, Cherry, and Peach; also a nice lot of Norway Maples 8-10 and 10-12 ft., young, straight and right. Some two-year Currants; a nice assortment of nearly all kinds of Ornamentals.

Let us hear from you before placing your orders.

## Franklin Davis Nursery Co.

Baltimore, Md.

We offer for Fall 1909 and Spring 1910

Apple, 1 and 2 year, leading varieties. Pear, Standard, Kieffer, Blight Proof, Koonce, Garber, etc. Peach 1 year, standard varieties. Peach 2 year, June buds. Cherry, 1 and 2 year on Mahaleb. Asparagus, best leading kinds, 1 and 2 year. Privet, California, 1 and 2 year, fine. Privet, Ibotia, 1 and 2 year. Strawberry Plants, best varieties. Grape Vines, 1 and 2 year, heavy on one year Concord. White Birch, 10-12 ft., fine. Silver Maple, 10-12 ft., 8-9 ft., 7-8 ft. Norway Maple, 7-8 ft., 6-7 ft. Poplars, Lombardy and Carolina, 1, 2 and 3 years. Catalpa Speciosa, 8-6 ft., fine. Weeping Willow, 8-9 ft., fine. Oriental Planes, 8-9 ft., fine.

We have a fine lot of Extra Heavy Shrubs, such as Hydrangea P. G., Weigelas, assorted; Altheas, assorted; Judas Trees, Spireas, assorted; Eulalias, Snowballs, Lilacs, Strawberry Trees.

In large shade trees we have Sugar Maples, Elms, Box Elder, Catalpas, Evergreens, Roses, etc.

Would accept orders to bud Peach on contract. Can commence shipping October 1st., or earlier. Send us your Want List.

## FAIRFIELD NURSERIES

### FRUIT AND SEED FARMS

Offer for fall 1909 and spring 1910—Grape Vines, one and two years old, varieties largely Moore's Early, Concord and Niagara. Also Scarlet or Crimson Clover Seed and Cow Peas. Free from weed seeds, recleaned and guaranteed first class.

Corres fence Solic

Price List Upon Request

### CHARLES M. PETERS

P. O. Address, SALISBURY,

Wicomico Co., MD.

R. F. D. 3

Long Distance Phone and Telegraph, Salisbury, Md.



Part of One Block in Our Nursery

# A Half-Million Grape Vines

## For Planting in 1910

If you could come to Berlin, and see our blocks of Grapes—500,000 vigorous little plants, all leading varieties, set in clean, well-tilled rows—you would understand just why we are so proud of them and why we are willing to devote this month's page to telling about them.

The above picture takes in only part of one block, but a glance shows the thrift and vigor of the plants, and it's not hard to imagine what a splendid growth they will make when transplanted to an infant vineyard.

You know—your customers know—that a stunted grape vine is forever handicapped in its growth; that a "cull" is never anything else—no amount of coddling or special care can change it.

Please note our Special Privet Advertisement elsewhere in this issue.

### Surplus Peach, Fall 1909

2-3 ft. 3-4 ft. 1-2 in. 9-16 in. 3-4 in. 1 in. up.

#### Surplus peach—Fall 1909.

395 Alton.  
185 Arp. Beauty.  
740 Atlanta.  
1639 Bray's R. R.  
3099 Bilyeu.  
7998 Belle of Ga.  
7223 Crawford Late.  
3727 Chair's Choice.  
2678 Crawford Ey.

3393 Crosby.  
1294 Connell's So. Ey.  
2546 Champion.  
1547 Engle's Mammoth.  
16478 Elberta.  
1800 Fox Seedling.  
5542 Greensboro.  
841 Globe.  
960 Geary's Holdon.  
2094 Hieley.

567 Klondike.  
1374 Krummell's Late Oct.  
1511 Levy's Late.  
4691 Mayflower.  
4670 Mt. Rose.  
1227 Moores Fav.  
1972 Mamie Ross.  
2225 Niagara.  
1044 New Prolific.  
3209 Old Nixon.

6739 Reeves Fav.  
8855 Ray.  
3330 Smock Free.  
3011 Stump.  
5590 Satway.  
1333 Triumph.  
1300 Waddell.  
1919 W. H. Cling.  
1216 Yellow St. John.

### Surplus List of Apple

3-4 ft. 4-5 ft.—1-2 in. 4-6 ft.—5-8 in. 5-6 ft.—3-4 in. 6-7 ft.—1 in. up.

112 Ark. Black.  
150 Alexander.  
100 Apple of Commerce.  
4801 Baldwin.  
245 Bismarck.  
84 Coffelet Beauty.  
70 Cooper's Ey. Market.  
161 Chenango Strawberry.  
110 Carthouse.

2675 Dutchess.  
167 Delicious.  
182 Dominc.  
222 Ey. Strawberry.  
1605 Ey. Harvest.  
770 Fameuse.  
8104 Grimes Golden.  
2472 Mc. Intosh.  
1975 Myrick.

1074 M. B. Twig.  
210 Nero.  
260 Rawles Janet.  
1112 Red June.  
8535 Red Astrachan.  
4900 Stark.  
5430 Stayman's Winesap.  
499 Tallman's Sweet.

317 Transcendent.  
3336 William's Ey. Red.  
6189 Winesap.  
267 Walbridge.  
5170 Yellow Transparent.  
100 Kennard's Choice.  
**Dwarfs.**  
5000 2 yrs. 4-5 ft. & 3 to 5.

**Harrison's Nurseries**  
J.G. HARRISON & SONS  
BERLIN PROPRIETORS  
MARYLAND